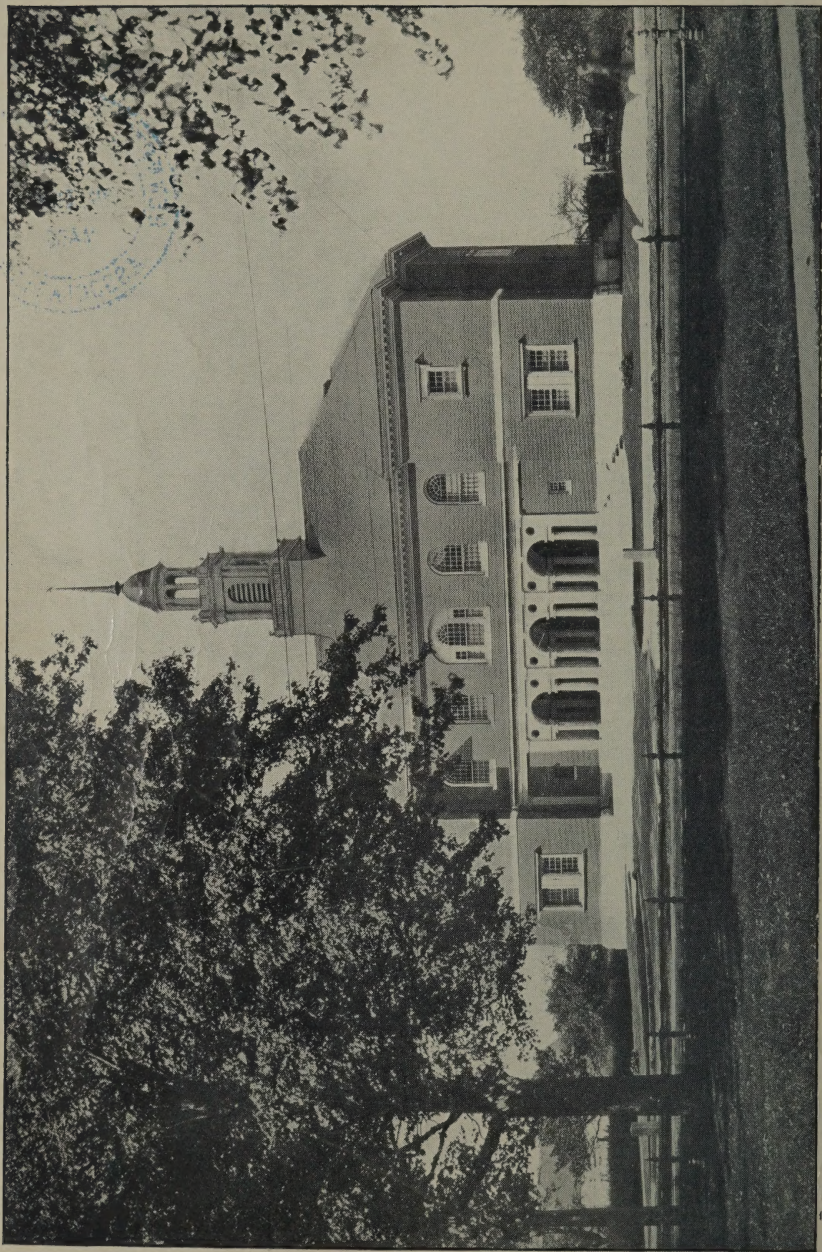


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Not to be taken from this room

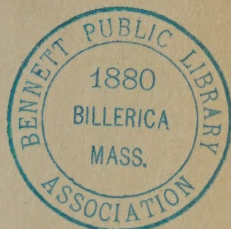




BILLERICA TOWN HALL

ANNUAL REPORT

OF THE



TOWN OF BILLERICA



RECEIPTS AND EXPENDITURES
and Reports of the Various Departments for
the Year Ending December 31,

1915

C. I. HOOD CO. PRINTING DEPARTMENT

Lowell, Mass.

January 1916

TOWN OFFICERS

Selectmen

BURTON O. SANFORD, Chairman RALPH E. MANNING, Sec'y
JOSIAH WRIGHT

Town Clerk

HERBERT A. KING

Town Treasurer

HERBERT A. KING

Moderator

CHARLES H. EAMES

Assessors

EDWARD A. KING WILLIAM H. HUTCHINS
WILLIAM H. SEXTON

Overseers of the Poor

WARREN HOLDEN COBURN S. SMITH
RICHARD J. CONWAY

Auditors

FREDERICK WAIN

GEORGE P. GREENWOOD

ARTHUR S. COOK

Board of Health

THOMAS A. ELLIS

DR. NEIL K. FORBEN

DR. MAURICE A. BUCK

School Committee

DR. MAURICE A. BUCK

HERBERT L. HOSMER

JOHN FREDERICK GANNON

Collector of Taxes

EVERETT S. BULL

Highway Surveyor

WILLIAM H. ESSEX

Tree Warden

JOHN BOSTWICK

Cemetery Commissioners

J. NELSON PARKER

JOHN A. RICHARDSON

HERBERT A. KING

Water Commissioners

ISAAC HOPKINSON

JOSIAH EVANS

BERNARD F. KEARNEY

School House Sinking Fund Commissioners

JOHN A. RICHARDSON

JOSEPH F. TALBOT

NATHANIEL R. JONES

Town Hall Sinking Fund Commissioners

CHARLES H. EAMES

ALBERT H. RICHARDSON

DANA H. SPILLER

Constables, Keepers of the Lock-Up and Field Drivers

HENRY D. LIVINGSTON

WILLIAM H. O'BRIEN

Surveyors of Wood and Lumber

JOHN E. ROWELL

THOMAS E. SMITH

WM. F. SYMMES

VOLUNTINE ROLLINS

HENRY D. LIVINGSTON

B. W. KEARNEY

GEORGE E. SIMONDS

CHARLES H. MORLEY

CHARLES A. FOSTER

GEO. MOORE

Fence Viewers

BURTON O. SANFORD

RALPH E. MANNING

JOSIAH WRIGHT

Engineers of Fire Department

WILLIAM B. CHAMBERS

ERNEST N. BARTLETT

CHARLES A. WRIGHT

Board of Registrars

HERBERT A. KING (ex-officio)

ALBERT H. RICHARDSON

JOHN H. MAHONEY

JAMES CAMPBELL

Cattle Inspector
ALBERT H. JONES

Public Weighers

F. GILBERT MOREY	JAMES SHAW
BERNARD W. KEARNEY	CHAS. ELWOOD
DENNIS J. DEWIRE	EDWARD B. CARR
MARIE ELWOOD	HARRY W. MOORE
ELMER E. COLE	PHILIP DOLAN
HERBERT I. JACOBS	N. L. ROGERS

Superintendent of Town Farm
H. A. BOWERMAN

Forest Warden
ERNEST N. BARTLETT

Sealer of Weights and Measures
JOHN RITCHIE

Fish Warden
CHARLES H. KEMP

TOWN CLERK'S REPORT

Warrants and Doings of Town Meetings and other Records
for the Year 1915.

ANNUAL MARCH MEETING

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To any Constable in the Town of Billerica:

GREETING:

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs, to meet at the Town Hall, Billerica, at 6 o'clock A. M., Saturday, March 27, 1915, to bring in their votes on one ballot, for the following officers:

Moderator, Town Clerk, Town Treasurer, Three Selectmen, Three Overseers of the Poor, Three Auditors, a Collector of Taxes, a Highway Surveyor, a Tree Warden, and Two Constables, all for one year. One Assessor, One Member of the Board of Health, One Member of the School Committee, One Member of the

Town Hall Sinking Fund Commission, One Member of the Cemetery Commission, One Member of the Talbot School Sinking Fund, One Member of the Water Commission, and One Member of the Park Commission, all for three years.

Also, to vote on the following question, viz.: "Shall license be granted for the sale of intoxicating liquors in the Town of Billerica?" Yes or No.

Polls may be closed at 4 o'clock P. M.

Also, at 10 o'clock A. M., to meet and act upon the following articles:

ARTICLE 1. To choose a member of the Bowers Fund Committee, for a term of five years.

ARTICLE 2. To choose all necessary Town officers.

ARTICLE 3. To hear and act upon the report of the Town officers and committees heretofore appointed.

ARTICLE 4. To see what method the Town will adopt to repair the roads and bridges for the ensuing year.

ARTICLE 5. To raise and appropriate such sums of money as may be deemed necessary to defray the Town expenses for the ensuing year; or do anything in relation to the same.

ARTICLE 6. To see if the Town will raise and appropriate the sum of two hundred and fifty dollars (\$250.00) for the salary of Cattle Inspector for the ensuing year.

ARTICLE 7. To see if the Town will expend from the sidewalk appropriation the sum of two hundred and fifty dollars (\$250.00) in continuing the sidewalk on Pond Street; or do anything in relation to the same.

ARTICLE 8. To see if the Town will raise and appropriate the sum of fourteen hundred dollars (\$1,400.00) for the connection of water main on High Street; or do anything in relation to the same.

ARTICLE 9. To see if the Town will raise and appropriate the sum of two thousand five hundred dollars (\$2,500.00) to extend the macadam road on Concord Road, provided the County and State shall each furnish a similar amount; or do anything in relation to the same.

ARTICLE 10. To see if the Town will amend its By-Laws by striking out Section One and inserting in place thereof the following; or do anything in relation thereto:

Section 1. The Annual Town Meeting for the election of officers and for other purposes shall be held on the second Saturday of February in each year.

ARTICLE 11. To see if the Town will raise the salary of the Engineers of the Fire Department to one hundred dollars (\$100.00) each per year.

ARTICLE 12. To see if the Town will borrow or raise and appropriate the sum of two thousand five hundred dollars (\$2,500.00) for the extension of water mains at Riverdale; or do anything in relation to the same.

ARTICLE 13. To see if the Town will accept a road through the land of Edgar F. Twombly as approved by the Board of Survey; or do anything in relation to the same.

ARTICLE 14. To hear and act upon the report of the Committee appointed at last Annual Town Meeting in relation to the Town Farm.

ARTICLE 15. To see if the Town will raise and appropriate the sum of two thousand five hundred eighty

dollars and fifty-six cents \$(2,580.56) to pay Water Department deficit March 1st, 1914; or do anything in relation thereto.

ARTICLE 16. To see what action the Town will take in regard to various unexpended balances, the objects for which they were made having been completed.

ARTICLE 17. To see if the Town will vote to take sufficient land along present thirty-foot road between Lowell Road and Brick Kiln Road, as shown on plan surveyed for George F. Colson, June 23, 1907, by H. W. Sheldon, C. E., to widen said road to forty feet.

ARTICLE 18. To see if the Town will raise and appropriate the sum of one thousand five hundred dollars (\$1,500.00) for increasing water supply at Pumping Station.

ARTICLE 19. To see if the Town will raise and appropriate the sum of two thousand five hundred dollars (\$2,500.00) to macadamize the approaches to Shawsheen River on Boston Road, and build a concrete bridge to cross the same, providing the County and State shall each furnish a similar amount; or do anything in relation to the same.

ARTICLE 20. To see if the Town will appropriate the sum of one hundred and fifty dollars (\$150.00) for the purpose of planting shade trees on the public ways of said Town, said sum to be expended under the direction of the Tree Warden; or do anything in relation thereto.

ARTICLE 21. To see if the Town will appoint a committee of five, including the Tree Warden, ex-officio, who shall enter the Town of Billerica as a contestant in the "Second Annual Tree Planting Contest of the Massachusetts Forestry Association," said committee to super-

wise under the rules of said Contest the selection and location of trees to be planted by said Tree Warden; or do anything in relation thereto.

ARTICLE 22. To see if the Town will raise and appropriate the sum of two thousand and two hundred dollars (\$2,200.00) to lay main from Pumping Station on Boston Road to Treble Cove Road; or do anything in relation thereto.

ARTICLE 23. To see if the Town will appropriate the sum of one hundred and ten dollars (\$110.00) to pay 5 per cent. guarantee on extension on Boston Road from Pumping Station; or do anything in relation thereto.

ARTICLE 24. To hear the report of the High School Committee appointed at a special Town Meeting held February 13, 1915; and act in relation thereto.

ARTICLE 25. To see if the Town will borrow or raise and appropriate the sum of four hundred and fifty dollars (\$450.00) for the extension of the water mains on Chadwick Street; or do anything in relation to the same.

ARTICLE 26. To see if the Town will raise and appropriate the sum of five thousand dollars (\$5,000.00) to repair the macadam road beginning from Churnstaff Lane and extending to residence of Mr. Edward Judkins, also the road from the Bennett Hall station to Brown's Corner; or do anything in relation to the same.

ARTICLE 27. To see if the Town will raise and appropriate the sum of nine hundred dollars (\$900.00) to purchase Auto Truck for Water Department; or do anything in relation thereto.

ARTICLE 28. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1,000.00) for

the purpose of putting the stone crusher in suitable repair for use; or do anything in relation to the same.

ARTICLE 29. To see if the Town will raise and appropriate or borrow the sum of one thousand dollars (\$1,000.00) for extending water main about 1,200 feet from present main along Lexington Road.

ARTICLE 30. To see if the Town will raise and appropriate the sum of one hundred dollars (\$100.00) for the care of the Stearns and Blanchard Brooks; or do anything in relation to the same.

ARTICLE 31. To see if the Town will raise and appropriate the sum of four hundred dollars (\$400.00) for the purpose of widening River Street (between the old Middlesex Turnpike and Treble Cove Road); or do anything in relation to the same.

ARTICLE 32. To see if the Town will raise and appropriate or borrow the sum of four thousand dollars (\$4,000.00) for the purpose of extending the water main from the end of the present line on Webb Brook Road 4,800 feet along Allen Road; or do anything in relation thereto.

ARTICLE 33. To see if the Town will raise and appropriate the sum of one thousand three hundred five dollars and sixty-five cents (\$1,305.65) to pay bills on hand in excess of the appropriation made at the last Annual Town Meeting for the construction of macadam on Boston Road; or do anything in relation thereto.

ARTICLE 34. To see if the Town will appoint a committee of three voters, which committee shall have power to receive bids for the purpose of widening and raising a culvert under Middlesex Turnpike Road connecting the two sections of Nutting's Road in said Town, and that an

amount of money not exceeding three hundred dollars (\$300.00) be appropriated for the purpose of such improvement, which money, or as much thereof as is necessary in the judgment of said committee, be used by said committee for the purpose of making said improvement, if said committee finds that such improvement can be made by the expenditure of not to exceed three hundred dollars (\$300.00) on behalf of said Town.

ARTICLE 35. To see if the Town will vote to raise and appropriate the sum of three hundred dollars (\$300.00) for the purchase of stone to be delivered at the crusher, under the supervision of the Highway Surveyor; or do anything in relation to the same.

ARTICLE 36. To see if the Town will raise and appropriate the sum of nine hundred dollars (\$900.00) to pay the Town Farm deficit December 31, 1914; or do anything in relation thereto.

ARTICLE 37. To see if the Town will instruct the Board of Selectmen to sell the old Fordway Bridge material; or do anything in relation to the same.

ARTICLE 38. To see if the Town will raise and appropriate the sum of five thousand dollars (\$5,000.00) for the purpose of buying land and building a fireproof Fire Station to be located at Billerica Centre; or do anything in relation to the same.

ARTICLE 39. To see if the Town will raise and appropriate the sum of two hundred and fifty dollars (\$250.00) to extend the present sidewalk on High Street, near Bernard Kearney's and Hillcrest; or do anything in relation to the same.

ARTICLE 40. To see if the Town will raise and appropriate the sum of twenty dollars (\$20.00) to light one

room and the halls at the Talbot School; or do anything in relation to the same.

ARTICLE 41. To see if the Town will borrow or raise and appropriate the sum of one thousand eight hundred dollars (\$1,800.00) to extend its water main from near property of Roger Barrington on Billerica Avenue to the Town Farm, a distance of 2,000 feet; or do anything in relation to the same.

ARTICLE 42. To see if the Town will petition the Lowell Gas Light Company for an extension of their mains to this Town; or do anything in relation thereto.

ARTICLE 43. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1,000.00) to be used by the Engineers of the Fire Department to install a Fire Alarm System and a steam fire whistle; or do anything in relation to the same.

ARTICLE 44. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) to be expended under the direction of the Fire Engineers to compensate Edward A. Barker, who has been permanently disabled in the Fire Service; or do anything in relation to the same.

ARTICLE 45. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) to be expended by the Park Commissioners; or do anything in relation to the same.

ARTICLE 46. To see if the Town will authorize the Board of Selectmen to enter into a contract to rent Union Hall; or do anything in relation to the same.

ARTICLE 47. To see if the Town will raise the pay of the Town laborers of the Highway Department from

\$2.00 to \$2.25 per day; or do anything in relation to the same.

ARTICLE 48. To see if the Town will raise and appropriate the sum of seven hundred dollars (\$700.00) to repair the sidewalk between Bennett Hall and Bennett Hall Station; or do anything in relation to the same.

ARTICLE 49. To see what action the Town will take in regard to the adoption of a code of Building By-Laws.

ARTICLE 50. To see if the Town will borrow or raise and appropriate the sum of eight hundred dollars (\$800.00) for the extension of water mains on Corthell Road, 600 feet, and Wallacee Road, 300 feet, at Hillcrest; or do anything in relation to the same.

And you are to serve this Warrant by posting true and attested copies thereon; one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post Offices of the Town, and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this, the third day of March, in the year of our Lord, 1915.

BURTON O. SANFORD,
RALPH E. MANNING,
JOSIAH WRIGHT,

Selectmen of the Town of Billerica.

Under the foregoing warrant the following vote was cast:

Selectmen

Frank H. Alexander.....	172
Martin Conway	306
Forrest F. Collier	224
Isaac Hopkinson	165
Ralph E. Manning	343
Burton O. Sanford	320
Josiah Wright	374
Blanks	226

Assessors

Herbert E. Gleason	72
Charles H. Kemp	228
James A. Ruth	107
William H. Sexton	235
Blanks	68

Overseers of the Poor

Richard J. Conway.....	519
Warren Holden	488
Coburn S. Smith	484
Blanks	—

Moderator

Charles H. Eames	539
Blanks	169
William Mears	1
Frank V. Mahoney	1

Town Clerk

Herbert A. King	527
Blanks	180
Joe Chisholm	1
Charles L. Burton	1
James Barton	1

Town Trasurer

Herbert A. King	401
Francis A. D. Singhi	258
Blanks	51

Collector of Taxes

Everett S. Bull	504
Chester L. Page	179
Blanks	27

Surveyor of Highways

Harry W. Essex	374
Edgar F. Twombly	314
Blanks	22

Constables

Roger Barrington	243
Henry D. Livingston	434
John Joseph McSweeney	415
Blanks	328

School Committee

John Frederick Gannon	434
Elmer B. Glass	61
Charles Hurst	413
Blanks	55

Auditors

Arthur S. Cook	485
George P. Greenwood	469
Frederick Wain	475
Blanks	698
Dennis Dewire	1
Frank Maxwell	1
Joe Chisholm	1

Town Hall Sinking Fund Commissioner

Dana H. Spiller	400
Blanks	307
James Barton	1
Bart Hayes	1

Water Commissioner

Bernard M. Kearney	353
Edward P. Sellew	212
Robert Tivey	90
Blanks	54
Mr. Reardon	1

School House Loan Sinking Fund Commissioner

Nathaniel R. Jones	511
Blanks	197
James Barton	1
Fred Reardon	1

Cemetery Commissioner

J. Nelson Parker	509
Blanks	199
Frank Mahoney	1
Bart. Hayes	1

Tree Warden

Edward Dugan	88
Jeremiah Linehan	99
William H. O'Brien	301
Frank S. Spaulding	175
Blanks	47

Board of Health

Maurice A. Buck	555
Blanks	154
Jasper Bruce	1

Park Commissioner

J. Nelson Parker	498
Blanks	210
Fred Winship	1
Francis V. S. Mahoney	1

**Shall License be Granted for the Sale of Intoxicating Liquors
in this Town?**

Yes	168
No	417
Blanks	125
Whole number of male votes cast.....	710
Whole number of female votes cast.....	253

The meeting for action upon Articles in the Warrant was opened at ten o'clock a. m. The Moderator, Charles H. Eames, presiding.

On motion of Franklin Jaquith it was voted to dispense with the reading of the Warrant.

Article 1. On motion of C. L. Burton, Henry Shuman was chosen a member of the Bowers Fund Committee for five years.

Article 2. On motion of T. E. Smith the Constables were chosen Field Drivers.

On motion of Mr. Bull the Selectmen were chosen Fence Viewers.

On motion of Mr. Smith the following were chosen Measurers of Wood and Lumber: John E. Rowell, W. F. Symmes, B. W. Kearney, Geo. E. Simonds, Charles E. Foster, Henry D. Livingston, Charles E. Morley, Voluntine Rollins, Thomas E. Smith, George Moore, Leslie W. Hammond. Sworn April 24, 1914.

Article 3. The Town Farm Investigation Committee reported as follows: The committee appointed at the Annual March Meeting of 1914 to investigate the affairs of the Town Farm report the following: The wood cut in the winter of 1913-1914 was cut by day labor with no record of cordage being kept. About four acres of heavy growth and about two and one-half acres of lighter growth were cut. The heavy growth should cut about 30 cords to the acre, and the lighter growth about 25 cords to the lot, in the opinion of men experienced in wood.

Estimated cut 1913-1914.....	145 cords
Cords on hand March 1, 1914.....	35 “
	<hr/>
	110 “

During the year the department turned into the Town Treasurer \$205.00, which at \$5.00 per cord would represent 41 cords. The estimated balance of 59 cords must have been consumed at the Farm. The committee recommend that in the future no more wood be cut without the approval of the full board of Overseers. The committee find that there were bills to the amount of over \$600.00 paid on the Town Farm account after the beginning of the present Town year

that should have been charged against last year's receipts. The committee recommend that in the future all bills be accounted for at the close of the Town financial year.

Respectfully submitted,

Arthur S. Cook,
Albert Richardson,
Frank A. Fitzgerald.

This report was unanimously accepted.

Article 4. On motion of Mr. Manning it was voted that the same method be pursued as last year.

Article 5. On motion of Mr. Dickinson it was voted to take up this Article immediately after the noon recess. Under this Article the following appropriations were made:

Moth	\$ 2,211.97
Elm Beetle	200.00
Assessors' Special	100.00
Schools	25,000.00
Medical Inspection of Schools	150.00
Bridges	600.00
Sidewalks	600.00
Fire Department	3,000.00
Forest Warden	100.00
Town Farm	600.00
Outside Relief	800.00
Incidentals	1,000.00
Maintenance of Public Buildings	1,500.00
Constable, Janitor and Police	1,900.00
Cemeteries	900.00
Commons and Town Pump	125.00
Treasurer and Collector's Bond	160.00
Insurance	200.00
Tree Warden	200.00
Board of Health Expenses	125.00
Industrial School	500.00

Salaries:

Selectmen	600.00
Assessors	700.00
Overseers of the Poor	200.00
School Committee	180.00
Town Clerk	300.00
Town Treasurer	500.00
Tax Collector	600.00
Election Officers	300.00
Fish Warden	100.00
Auditors	150.00
Auditors' Special	150.00
Sealer of Weights and Measures	100.00
Registrars of Voters	200.00
Board of Health	150.00
Interest	2,200.00
Sinking Fund and Bond Interest, Hall	2,000.00
Sinking Fund and Bond Interest, School	1,750.00
Sinking Fund, Water Bond	1,800.00
Hydrants	3,500.00
Indexing Records	50.00
Printing	500.00
Town Notes	7,000.00
Street Lighting	2,500.00
Memorial Day	125.00
Highway Repairs	5,000.00

Mr. Barrington moved that the salary of the Assessors be \$1,000.00. This motion was not carried, the vote being: Yes, 19; No, 40.

Article 6. On motion of Mr. Barrington it was voted to raise and appropriate the sum of \$250.00 for the purpose named in this Article.

Article 7. On motion of Mr. Dickinson this Article was dismissed.

Article 8. On motion of Mr. Dickinson it was voted that Articles 8, 12, 22, 23, 25, 29, 32, 41, 50 be dismissed, and that

First: That a committee be appointed by the Moderator to petition the Legislature for a special Act authorizing the Town to borrow fifty thousand dollars (\$50,000.00) for water extensions.

Second: That on the passage of such an Act a special Town Meeting be called to consider acceptance of the same.

Third: That in the meantime applications for water extensions be made to the Water Commissioners in accordance with the Town requirements, and that the Water Commissioners estimate the cost of each and report, with their recommendations as to the necessity or advisability of each, to the Town at the Special Meeting.

Article 9. On motion of Mr. Jaquith it was voted to appropriate the sum of two thousand five hundred dollars (\$2,500.00) from excise money to extend the macadam road on Concord Road, provided the County and State shall each furnish a similar amount.

Article 10. Mr. Jaquith moved that the By-Laws be changed as named in this Article. This motion prevailed. Yes, 33; No, none.

Article 11. On motion of Mr. Manning it was voted that the salary of the Fire Engineers be \$100.00 each per year.

Article 12. See Article 8.

Article 13. On motion of Mr. Warburton it was voted to accept this road.

Article 14. On motion of Mr. Warren Holden it was voted to raise and appropriate the sum of \$4,000.00 to repair the Town Farm. On motion of Josiah Wright it was voted that the committee to investigate this matter be the committee to expend the appropriation, namely: Warren Holden, Frank L. Day, and Thomas T. Sheridan.

Article 15. On motion of Mr. Clark it was voted seven hundred and fifty-one dollars and sixty-seven cents (\$751.67) be transferred from Special Water Account, and that one thousand eight hundred twenty-eight dollars and eighty-nine cents (\$1,828.89) be raised and appropriated for this purpose.

Article 16. Mr. Dickinson moved that all unexpended balances, the purposes for which they were made having been completed, be returned to the Treasury. This motion was carried in the affirmative.

Article 17. On motion of Mr. Manning it was voted that the Selectmen be instructed to take such land as is necessary to widen to 40 feet the street named in this Article.

Article 18. On motion of Mr. Clark it was voted to raise and appropriate the sum of \$1,500.00 for increasing the water supply at the Pumping Station.

Article 19. Mr. Dickinson moved this Article be dismissed. This motion was not carried.

Mr. Smith moved that we raise and appropriate the sum of \$2,500.00 for the purpose named in this Article. It was so voted.

Article 20. Dismissed.

Article 21. Dismissed.

Article 24. On motion of Mr. Tutein this was assigned for the afternoon session.

Dr. M. A. Buck moved the Town of Billerica incur debt in the sum of ninety thousand dollars, payable within twenty years, for the purpose of acquiring land for and the construction of a school building for the High School, including the cost of original equipment and furnishing; that the Town issue bonds in a total sum of ninety thousand dollars therefor bearing interest at the rate of not exceeding four per cent. per annum, payable semi-annually; that forty-five hundred dollars shall be paid on the principal of said loan within one year from the date of issue, and forty-five hundred dollars annually thereafter until the entire sum of ninety thousand dollars is paid; that said bonds shall be issued so that forty-five hundred dollars of the principal of said bonds shall be due and payable within one year from date, and forty-five hundred dollars of the principal of said bonds annually thereafter until the loan is extinguished; that the Treasurer and Selectmen be and are hereby authorized to do all necessary acts for the issuance of said bonds in conformity with this vote, Chapter 719 of the Acts of 1913 and amendments thereto.

The vote given on this motion was as follows: Yes, 128; No, 42, and it was declared carried in the affirmative.

Mr. Alexander moved that the selection of the site be made by the Town and not by the Building Committee. This motion did not prevail.

Mr. Clark moved that the report of the committee be accepted. The vote on this motion was: Yes, 78; No, 36.

On motion of Mr. Clark it was voted that the committee give a public hearing on the matter of site.

Mr. Williams moved that the committee who reported under this Article, together with two appointed by the Moderator, serve as a Building Committee. Unanimously voted. (See report of committee page 167.)

Article 26. On motion of Mr. Singhi it was voted that \$3,000.00 be raised and appropriated for the purpose named in this Article.

Article 27. On motion of Mr. Singhi this Article was dismissed.

Article 28. On motion of Mr. Singhi this Article was indefinitely postponed.

Article 30. On motion of Mr. Singhi the sum of \$100.00 was raised and appropriated.

Article 31. On motion of Patrick Kennelly it was voted to raise and appropriate \$400.00 for the purpose named in this Article.

Article 32. See Article 8.

Article 33. On motion of F. A. D. Singhi it was voted to raise and appropriate the sum of \$1,305.65 to pay bills due for macadam construction on Boston Road.

Article 34. Mr. Clark moved that \$300.00 be raised and appropriated, and that a committee of three be appointed who shall make the change asked for by this Article if they find it for the interest of the Town to do the work. This was voted.

Article 35. On motion of Mr. Wright this Article was dismissed.

Article 36. On motion of H. A. King \$900.00 was raised and appropriated to pay the Town Farm deficit to Dec. 1, 1914.

Article 37. On motion of R. E. Manning it was voted to sell the old Fordway Bridge material.

Article 38. Mr. Chas. A. Wright moved that \$5,000.00 be raised and appropriated to build a new concrete fire station.

Mr. Patterson moved a substitute motion as follows: That the Town raise and appropriate the sum of five thousand dollars for the purpose of buying land and building a fireproof fire station, to be located at Billerica Centre, and that a committee be appointed to

procure definite plans and specifications and report to a Special Town Meeting to be held within sixty days from date. This substitute motion was carried in the affirmative.

Article 39. It was moved that \$250.00 be raised and appropriated for this purpose. This motion was not carried.

On motion of Mr. Kennedy the Article was dismissed.

Article 40. Moved and voted that this Article be dismissed.

Article 41. See Article 8.

Article 42. Mr. Williams, for the committee, made verbal report as a report of progress.

On motion of Mr. Manning it was voted to continue the committee.

Article 43. On motion of Mr. Singhi it was voted that \$1,000.00 be raised and appropriated as asked for by this Article.

Article 44. On motion of H. A. King \$300.00 was raised and appropriated for the purpose named in this Article.

Article 45. Mr. Manning moved that \$500.00 be raised and appropriated as asked in this Article. This motion was not carried.

Article 46. On motion of Mr. Wright it was voted to authorize the Selectmen to enter into a contract to let Union Hall.

Article 47. Mr. Thos. McElligott moved that the pay of laborers in the Highway Department be \$2.25 per day. The vote on this motion was: Yes, 40; No, 53.

On motion of Mr. Tutein this Article was dismissed.

Article 48. Mr. Singhi moved that \$200.00 be raised and appropriated for the purpose named in this Article. The motion was carried in the affirmative.

Article 49. Mr. Warren Manning moved that the Building By-Laws as read be adopted by the Town.

Mr. Williamson moved to amend, That a committee of five be appointed who shall prepare Building By-Laws and give public hearing on same and present them to the Town by having them inserted

in the Warrant for some future meeting. This motion as amended was carried in the affirmative.

Article 50. See Article 8.

On motion of Chas. A. Wright it was voted that the polls be closed at 4.30 p. m.

It was moved that a vote of thanks be given the Moderator for his able and impartial conduct of the meeting. This motion was unanimously carried.

Report of the Clerk of Election Officers.

Billerica, March 27, 1915.

Annual Town Meeting. Polls opened at 6 a. m. with the following officers in attendance:

Charles A. Wright, Warden.
 Albert H. Richardson, Deputy Warden.
 Dennis J. Mahoney, Clerk.
 Charles J. Nugent, Deputy Clerk.
 Guy Richardson, Inspector.
 George Chambers, Deputy Inspector.
 Fred D. Reardon, Deputy Inspector.
 Frank L. Day, Teller.

James A. Higgins was later sworn in as a Teller by the Warden.

On a vote of the Precinct Officers, Alfred Lyons was chosen to take the place of Michael McElligott, who was unable to serve on account of illness. Mr. Lyons declined to serve, and James Bradley was then chosen. The ballot did not register, and at 8.30 a. m. the ballots were counted out and another ballot box was used. This box did not register, and at 9.00 a. m. the ballots were counted out and the first box was used again.

Counting began at 9 a. m.

Number of ballots received	1,000
Number of ballots used	710
Number of ballots returned	290

Ballots for School Committee Only

Number of ballots received	500
Number of ballots used	253
Number of ballots returned	247

Total vote, 963.

Polls closed at 4.30 p. m.

John Robertson's ballot was challenged by Chas. Burton as a non-resident.

Owen Flynn's ballot was challenged by Chas. Burton. Received aid from Town.

Thomas M. Clark's ballot was challenged by Chas. Burton. Received aid from Town.

James A. Hamilton's ballot was challenged by Chas. Burton. Non-resident.

FRANCIS J. MAHONEY,

Clerk of the Election Officers.

The Moderator appointed the following committees:

Additional members to the Building Committee of the new High School:

N. R. Jones

Thomas T. Clark

Committee to present to Legislation petition for authority to borrow \$50,000.00 for water extension:

Charles H. Williams

Dana H. Spiller

J. Nelson Parker

Building Committee on New Fire Station:

Charles A. Wright

Elmer E. Cole

Ralph E. Manning

Committee on Building Laws:

Warren H. Manning

F. A. D. Singhi

Edgar P. Sellew

John A. Richardson

Joseph P. Meaney

Culvert at Nutting's Pond, Article 34:

John A. Richardson

Josiah Wright

H. W. Essex

Report of the High School Building Committee.

Citizens of the Town of Billerica:

The committee appointed under vote passed at the last Special Town Meeting, and known as the "High School Building Committee," have, in accordance with that vote, made an examination of the school conditions in the Town, with special reference to the housing of the pupils, the possible future growth, and especially the question of providing for the congestion which now exists at the Howe High School, and arranging for some expansion at the Pollard School, and beg leave to make the following report:

The registration of the students at the various schools from 1907 to 1914 is perhaps best shown by the following table:

REGISTRATION

TALBOT

	1907-8	1908-9	1909-10	1910-11	1911-12	1912-13	1913-14	1914-15
I. ..	44	45	38	42	39	45	36	50
II. ..	33	36	40	38	44	34	36	36
III. ..	40	40	46	47	41	44	38	42
IV. ..	40	37	39	45	40	44	43	39
V. ..				36	35	44	41	37
VI. ..	53	49	51	32	27	35	40	39
VII. ..							29	27
VIII. ..	42	33	33	32	33	35	13	17
Total..	252	249	247	272	259	281	278	287

POLLARD

I. ..							37	27
II. ..	35	39	32	54	57	60	29	32
III. ..							29	29
IV. ..	42	31	43	43	45	56	30	25
V. ..							25	26
VI. ..	36	44	39	38	52	63	27	27
VII. ..							27	32
VIII. ..	37	38	47	53	51	48	15	27
IX. ..	43	51	35	32	27	43	34	
Total..	193	203	196	220	232	270	253	225

HOWE

X. ..	19	17	18	20	17	16	20	51
XI. ..	13	16	13	12	17	12	11	20
XII. ..	10	9	10	9	11	13	9	13
XIII. ..	15	9	11	10	8	9	8	6
Total..	57	51	52	51	53	50	48	90
Grand Total..	502	504	493	544	544	601	579	602

These indicate the growth of the school population in these schools for the past seven years, and it will be noted that the increase from approximately 500 to 600 represents 20% in seven years, or about 3% per year on the average. This increase is always slightly greater than the average reported for the entire State. It is well to bear in mind that this increase has come about when no unusual influences have been active to increase the school population, and at the present time there is an evidence that this rate of increase will be larger during the next seven years than it has been in the past seven.

Talbot School.

This building was built about ten or fifteen years ago. It is an eight-room building with all rooms occupied, one of which is devoted to manual training. Seven rooms contain the grades from one to eight inclusive. All rooms are filled very nearly to their capacity, and under present conditions there is no chance for expansion unless the manual training is moved to some other school building to be provided for in the future. This building is a brick building of modern construction, and is in general well suited for the needs of graded school work. It is very probable, however, that the growth in the North part of the Town in the next few years will be large, so that this building under present arrangements would not in a short time be large enough.

Pollard School.

This building is a wooden building located at Billerica Centre: was formerly built as a six-room school, but has recently been made into seven rooms by partitioning one of the rooms. Your committee found this building fully occupied. In fact, conditions show that some relief must be had in order to provide for the increase which will come in the immediate future. There are not even now enough rooms to provide for all the grades, so that one of the teachers with her class carries on her work in the stair hall and corridor. The room which has been divided makes two class rooms, accommodating about twenty-six or twenty-seven pupils each, but resulting arrangements are such that the pupils cannot enter one of the rooms only by passing through the other room. There is, however, another means of exit, viz., the fire escape. This arrangement was approved very reluctantly by the State Building Inspector a short time ago. The attic of the building has been recently sheathed and made into a temporary chemical and physical laboratory for High School pupils.

Conditions in this building are far from satisfactory, and efficient work cannot be done. The rooms are really too large for proper size class rooms and not large enough to be divided into two rooms of reasonable size. The State law prohibits one teacher from having more than fifty pupils in one class, and the State Board of Education recommend that classes in graded work should not be over forty-two or forty-five pupils, and better not over thirty-six. If one will compare these recommendations referred to above with conditions in this Town it will be seen to what extent the sizes of classes in the graded schools in Billerica are beyond what is recognized as an efficient working unit, and how near they approach the legal unit.

Howe School.

With the absorption of the ninth grade into the High School last year the attendance is and will continue to be very much greater than it has been in the past. The registration this year is 90, whereas in previous years it has been in the neighborhood of 50. This has greatly overtaxed the old Howe School Building, which contains two recitation rooms and a main room. All of these rooms have been utilized, and at times are crowded today. A large store room has been brought into service and used as a class room in typewriting. It has been necessary to rent a room at Mr. Dana H. Spiller's, directly across the road from the Howe School, and as referred to in the paragraph under the Pollard School, the class in chemistry has been carrying on its work in the attic of the Pollard School. Everyone will recognize that under these conditions the best work cannot be done, for it is highly desirable that students of one school should carry on their work under one roof. Next year conditions, with a probable registration of 115 to 120, will be much worse than they have been this year. Studying these conditions, your committee believe that the only logical solution of the problem is to erect a new building which will not only provide for a reasonable future growth, but will be so flexible in arrangement that it may be adapted to future requirements in educational methods which are not only approved but ordered by the State Board of Education.

Six and Six Plan.

For a number of years it has been recognized by educational authorities of this State that it is desirable to eliminate the ninth grade and to bring the High School classes in closer contact with the graded schools, so that the step from the graded school to the High

School by the pupils may be made with as little effort as a step from one grade to another. Authorities are now beginning to recognize twelve grades of common school work instead of nine grades of Intermediate and Grammar and four grades of High School. Recently a new division of grades has been recommended by the State authorities. This places the first six grades in one building and the seventh to the twelfth grades inclusive in a second building, which is to be known as the Junior and Senior High School. There are many reasons why a plan of this sort is desirable, and the Commissioner of Education has assured us that this plan will be pursued in this State and will replace the old system of nine grades and the High School. Full description of this system, which is known as the "Six and Six" plan, is described in the last Town Report by the Superintendent of Schools. Having this in mind as a probable development, and realizing the congestion in all our schools, your committee believe that the wisest plan will be to build a new Junior and Senior High School building, which would house the High School as we understand it at the present time and also the seventh and eighth grades now located in the Pollard and Talbot Buildings. Such a building should provide for an increase of at least 100% in attendance in the High School and about 50% in the seventh and eighth grades. The committee made several visits to modern school buildings built within the last few years in our immediate neighborhood, and have also examined the plans of buildings contemplated by one town in the near future. At Lexington, Mass., your committee inspected in detail a school building known as the "Adams School," which was built only last year. The character of construction, the simplicity of design, and the efficient arrangements of all parts of the building impressed the committee very favorably, and on inquiry it was learned that the town of Lexington secured plans through a competition. The conditions of the competition were carried on in accordance with the requirements of the American Society of Architects, which requires that a competent judge of recognized ability shall be chosen to pass on the plans. Under this system some five or six architects entered the competition, and the result was that Brainerd & Leeds, a Boston firm, were successful, and their plans were accepted by the town of Lexington. This method, however, cost the town of Lexington about \$500.00, which was the price of the services of the referee. We also learned that the same firm was successful in a similar competition carried on by the town of Swampscott. In the latter case there were some seven or eight competitors. The firm also secured in competition the first

prize in the design of the Lord Building in Boston, and later supervised the erection of this building. With this in mind the committee believe they could not do better than secure sketches and estimates from this firm. At the meeting of the Town Finance Committee these were presented and fully described, and this same committee voted to recommend the building of a High School to cost not more than \$90,000.00, and that the Town issue twenty year 4% serial bonds to this amount. By this method the amount chargeable to this year's expense will be \$1,800.00, which is six months' interest on the entire issue. The architects have made the following estimates for the cost of the building and have given a brief description of its construction as regards exterior and interior (see architects' estimate). The committee has had in mind an erection of a building which will meet the probable needs of the Town for the next fifteen or twenty years. The building is laid out in the "Six and Six" plan, which includes four grade rooms on the first floor and the High School class rooms on the second floor, with two additional class rooms on the first floor. This arrangement will not only take care of the High School at the present time and provide for the growth of 100% at this school, but will also relieve the congestion in both the Pollard and Talbot Schools, thus making it possible for these two buildings to take care of the increase of school population for a number of years to come.

Sites.

Your committee has considered a number of possible locations for this school building, and have given special consideration to three. One is located on the property owned by William H. Sexton and consists of a piece of land about five acres located at the south of the Whiting estate on the Bedford Road. This is a level tract of land and is offered to the Town for \$5,000.00.

A second lot is a piece of land of about thirty acres located on Main Street known as the Sawyer estate. This property, while containing more land than is required for school purposes, offers an admirable site for this building at a short distance from the centre of the Town and on the principal car line from the Centre to other sections of the Town. If this site proves the most desirable to the Town the committee would recommend that all but about thirteen or fourteen acres be disposed of. This entire lot of thirty acres is offered to the Town for \$6,000.00. The third piece of property is located at the extremity of Farmer's Lane and consists of a piece of land of

about twenty acres, owned by Mr. John H. Foster and William H. Haynes. This piece of property is offered to the Town for \$1,000.00. When consideration is given to the geographical location of these various pieces of land, and facilities for drainage and the first cost as well as the possibilities for future development, perhaps the third piece of land is most desirable. At the same time the second lot, known as the Sawyer estate, is located nearer the centre of the Town, is less exposed to the elements and perhaps more accessible to car lines. It is estimated that the additional cost of heating a building located on the third lot would be in the neighborhood of \$100.00 to \$150.00 per year. Looking at this problem from all standpoints, which means considering the congested condition in our school buildings, the constant growth of school population (which is really above the normal), the possibilities of abnormal growth within the immediate future, the low tax rate at the present time, and the probability of a considerable increased tax rate in the future, the comparatively low cost of building material at the present time, and the prospect of increased cost of building material and labor within the next years, your committee recommends the erection of this building during the coming summer. In accordance with this recommendation, your committee would offer the following motion:

First, That a building committee of five be appointed and instructed to prepare plans and specifications, to receive and accept bids for the erection and complete equipment ready for occupancy of a High School building, and to purchase in behalf of Town a suitable site, the whole to cost not more than \$90,000.00.

MAURICE A. BUCK,
CHARLES H. EAMES,
BURTON O. SANFORD,

Committee.

Attest,

HERBERT A. KING,

Town Clerk.

SPECIAL TOWN MEETING

TOWN OF BILLERICA

WARRANT

COMMONWEALTH OF MASSACHUSETTS

MIDDLESEX, SS.

To Any Constable in the Town of Billerica:

GREETINGS:

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs to meet in the Town Hall in said Town on Monday, July 12, 1915, at 7.45 o'clock in the evening, to act upon the following articles:

ARTICLE 1. To see if the Town will release or quitclaim to the present owners, land sold for taxes as the property of Walter J. Pettingill, the Town having been paid all sums due it on account of said taxes, or do anything in relation to the same.

ARTICLE 2. To see if the Town will raise and appropriate the sum of one hundred dollars (\$100.00), to buy fire extinguishers for the use of the Pinehurst Improvement Association in its district, or do anything in relation thereto.

ARTICLE 3. To see if the Town will borrow, under authority of Chapter 357, Acts of 1915, the sum of fourteen hundred dollars (\$1,400.00) for the connection of water main on High Street, or do anything in relation to the same.

ARTICLE 4. To see if the Town will borrow, under authority of Chapter 357, Acts of 1915, the sum of forty-eight hundred dollars (\$4,800.00), for the extension of water mains at Riverdale, or do anything in relation to same.

ARTICLE 5. To see if the Town will appropriate the sum of three hundred dollars (\$300.00) to be used by the Park Commissioners for the purpose of laying out a playing surface for a ball-ground on the Kohlrausch Playground, the sum to be taken from the appropriation for maintenance of public buildings, or do anything in relation to the same.

ARTICLE 6. To see if the Town will borrow the sum of eighteen hundred dollars (\$1,800.00) to buy a new stone crusher, or do anything in relation thereto.

ARTICLE 7. To see if the Town will raise and appropriate four hundred and fifty dollars (\$450.00) to repair engine and boiler belonging to stone crusher, or do anything in relation thereto.

ARTICLE 8. To see if the Town will borrow, under authority of Chapter 357, Acts of 1915, the sum of twenty-eight hundred dollars (\$2,800.00), to lay main from Pumping Station to Treble Cove Road, or do anything in relation to same.

ARTICLE 9. To see if the Town will raise and appropriate the sum of thirteen hundred dollars (\$1,300.00) to

purchase a truck for Water Department, or do anything in relation to same.

ARTICLE 10. To see if the Town will borrow, under authority of Chapter 357, Acts of 1915, the sum of one thousand dollars (\$1,000.00) to lay water main on Lexington Road, or do anything in relation to same.

ARTICLE 11. To see if the Town will lay out and build a road approximately 450 feet in length from Billerica Avenue past the Town Farm to connect with the present highway, or do anything in relation thereto.

ARTICLE 12. To see if the Town will raise and appropriate the sum of two hundred and ninety dollars (290.00) to pay bill of Killorin Contracting Company for use of stone crusher on Boston Road macadam in 1914, or do anything in relation thereto.

ARTICLE 13. To see if the Town will authorize and direct the Water Commissioners to extend the water main from the corner of Colson Street along Lowell Street to Holt Street 300 feet, then through Holt Street 800 feet, under a 5 per cent. Guarantee, or do anything in relation to the same.

ARTICLE 14. To see if the Town will borrow, under authority of Chapter 357, Acts of 1915, the sum of eighteen hundred dollars (\$1,800.00) to extend water main from near property of Roger Barrington on Billerica Avenue to Town Farm, a distance of 2,000 feet, or do anything in relation to same.

ARTICLE 15. To see if the Town will borrow, under authority of Chapter 357, Acts of 1915, the sum of four thousand dollars (\$4,000.00) to extend water main from end of present line on Webb Brook Road 4,800 feet along Allen Road, or do anything in relation thereto.

ARTICLE 16. To hear and act upon the reports of Committees heretofore appointed.

ARTICLE 17. To see if the Town will extend the water main down Bridle Road a distance of 1,000 feet to three houses now under construction, or do anything in relation to same.

ARTICLE 18. To see if the Town will borrow, under authority of Chapter 357, Acts of 1915, the sum of ten thousand dollars (\$10,000.00) for purchase of land and increasing water supply at Pumping Station, or do anything in relation thereto.

ARTICLE 19. To see if the Town will borrow, under authority of Chapter 357, Acts of 1915, the sum of twelve hundred dollars (\$1,200.00) for repairs at Pumping Station, or do anything in relation thereto.

ARTICLE 20. To see if the Town will borrow, under authority of Chapter 357, Acts of 1915, the sum of eleven hundred and twenty dollars (\$1,120.00) to extend water main 1,400 feet from Concord Road to Parker Street, or do anything in relation thereto.

ARTICLE 21. To see if the Town will authorize and direct the Selectmen to install three electric lights on Twombly Avenue, the expense to be charged to the incidental fund, or do anything in relation to the same.

ARTICLE 22. To see if the Town will borrow, under authority of Chapter 357, Acts of 1915, the sum of fifty-five hundred dollars (\$5,500.00) to extend water mains on Boston Road from Allen Road to Burlington Line, or do anything in relation thereto.

ARTICLE 23. To see if the Town will borrow money and issue bonds, notes or script therefor to an amount not

exceeding fifty thousand dollars (\$50,000.00) for the purposes and within the authority of Chapter 357, of the Acts of 1915, entitled "An Act to authorize the Town of Billerica to make an additional Water Loan" and fix the terms of sale thereof, or do anything in relation thereto.

ARTICLE 24. To see if the Town will raise the pay of the Firemen twenty-five dollars (\$25.00) a year, or do anything in relation thereto.

ARTICLE 25. To see if the Town will vote to take in fee, as allowed by Section 47, of Chapter 25, of the Revised Laws, for the purpose of erecting thereon a building to be used for an engine house, the lot of land in Billerica, Massachusetts, owned by G. E. Stearns, bounded southerly seventy-five feet by River Street, northerly seventy-five feet by land of said G. E. Stearns, easterly ninety feet by land of said G. E. Stearns, and westerly ninety feet by land now or formerly of Billerica Building Association.

ARTICLE 26. To see if the Town will raise and appropriate the sum of twelve hundred dollars (\$1,200.00) to equip the new Fire Station, or do anything in relation thereto.

ARTICLE 27. To see if the Town will vote that increase in salaries of Engineers of Fire Department from \$50.00 to \$100.00, made at last Annual Town Meeting, shall apply to salaries of said Engineers on and after May 1, 1914, or do anything in relation thereto.

ARTICLE 28. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) to build a sidewalk on the new Shawsheen River bridge, or do anything in relation thereto.

And you are to serve this Warrant by posting true and attested copies thereof; one copy at the Town Hall, one copy at Union Hall, one copy in each of the Post Offices of the Town, and one copy at ten or more public places in the Town, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this twenty-eighth of June, in the year of our Lord, nineteen hundred and fifteen.

BURTON O. SANFORD,

RALPH E. MANNING,

JOSIAH WRIGHT,

Selectmen of the Town of Billerica.

Billerica, Mass., July 12, 1915.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON,

Constable.

REPORT OF FINANCE COMMITTEE TO TOWN MEETING
OF JULY 12, 1915.

Your committee met on July 9, 1915, and voted the following recommendations:

Article 1. No action.

Article 2. Voted not to recommend this action.

Article 3. Articles 3, 4, 8, 10, 13, 15, 17, 20, 22 are not recommended, because it appears to the committee that no more extensions should be made until the water supply is increased.

Article 5. Not recommended.

Articles 6 and 7. Recommended that amounts named be raised and appropriated, provided the committee to consider stone crusher find that engine and boiler can be repaired for the amount specified.

Article 9. Recommended that \$1,000.00 be appropriated.

Article 11. Recommended that this extension be made from any money available for highway purposes.

Article 12. This appropriation is recommended.

Article 14. This appropriation is recommended because the repairs at the Town Farm are dependent on the water being given them.

Article 16. No report.

Article 18. Not recommended because your committee did not know what was to be accomplished by this appropriation.

Article 19. Not being advised as to the nature of the repairs called for, your committee has no report to make.

Article 21. Recommended that this be left to the Selectmen.

Article 24. Recommended that this be taken up at the next annual meeting.

Article 27. Recommended that the increase in Engineers' pay date from May, 1914.

Article 28. Recommended that no action be taken.

JOS. F. TALBOT, Chairman.

H. A. KING, Secretary.

MEETING OF JULY 12, 1915.

Under the foregoing warrant the following action was taken:

Article 1. It was moved and voted unanimously, That the Selectmen be authorized and instructed to release any and all claims which the Town may have to property now or formerly of Walter J. Pettingill and located within the Town of Billerica, Mass.

The Moderator appointed as tellers Messrs. E. C. Vining, Jos. F. Meaney, F. H. Alexander. Sworn by Clerk.

Article 2. It was voted to raise and appropriate one hundred dollars (\$100.00) for the purpose named in this Article.

Article 3. Articles 3, 4, 8, 10, 13, 15, 17, 20, 22 were dismissed as vote under Article 23 provided the manner in which extension should be made.

Article 4. See Article 3.

Article 5. Moved by Mr. Twombly that the sum of \$1,000.00 be appropriated for this purpose and that the same be taken from the appropriation for public buildings. This was voted.

Article 6. Dismissed.

Article 7. Dismissed.

Article 8. See Article 3.

Article 9. Voted to raise and appropriate the sum of one thousand dollars (\$1,000.00) for the purpose named in this Article.

Article 10. See Article 3.

Article 11. Voted that the Superintendent of Highways be instructed to build this road under the supervision of the Selectmen, the same to be paid for from any money available for highway purposes.

Article 12. Voted to raise and appropriate the sum of \$290.00 for the purpose named in this Article.

Article 13. See Article 3.

Article 14. On motion of Mr. Singhi the Water Commissioners were instructed to make the water main extensions asked for by this Article.

Article 15. See Article 3.

Article 16. Mr. Williams reported for the committee to obtain right to issue additional water loans the passage of Chapter 357 Acts of 1915 as the result of their work. This report was accepted and adopted.

Report by Committee on Fire Station at Billerica, Mass.

To the Citizens of Billerica:

The committee appointed by the Moderator, as voted by the Town at the last Annual Town Meeting, March 27th, 1915, to select a site and obtain plans and specifications for a new Fire Station beg to report as follows:

We have held several meetings to consider the desirability of a number of sites which have come to our attention and to plan a Fire Station of such size and construction that it will not only meet the pressing needs of the present but will be adaptable to the future requirements of a Fire Department increased in size and motorized, and at the same time will be an ornament to the Town.

We have obtained a plan and specifications from Henry L. Rourke, architect, Lowell, Mass., for a building such as we deem it advisable for the Town to build. The plan calls for a building 62 feet in length by 44 feet 4 inches wide, and will readily accommodate four pieces of apparatus side by side. The building has walls of water struck brick, a gravel roof, and a granolithic floor under the apparatus. A cellar is provided at the rear for a heating plant and for the storage of chemicals, etc. The building is equipped throughout with all necessary plumbing, heating and electrical fixtures and a suitable concrete driveway is provided in front. The total cost of this building, including the site, is estimated to be \$6,200.00. The sum of \$5,000.00 has already been appropriated for the Fire Station, and whereas the bare building could be erected for this amount, to equip the building properly and to purchase the site, an additional \$1,200.00 at least will be required. We recommend, therefore, that this sum be raised and appropriated for this purpose.

We have viewed a number of possible sites for the Fire Station, and have obtained prices on two. We considered the prices on these to be too high, and, in addition, there were in each case other objectionable features, such as inaccessibility and undesirable surroundings. On the site which we consider the best in every way we were unable to obtain a price from the owner. This site is centrally located and is away from the electric car tracks. The grade is downhill in all directions, and the arrangement of the streets is such that the apparatus can be quickly and safely driven in any direction. We therefore recommend that this lot of land, the property of G. E. Stearns, having a frontage of 75 feet on the south side on River Street, and bounded on the west side 90 feet by the property of the

Billerica Building Association, on the north side 75 feet by the property of G. E. Stearns, and on the east side 90 feet by the property of G. E. Stearns, be taken by the Town by the right of eminent domain.

Respectfully submitted,

CHARLES A. WRIGHT,

RALPH E. MANNING,

ELMER E. COLE.

It was moved and voted that this report be accepted and adopted.

Article 17. See Article 3.

Article 18. Mr. Sellev moved, That we appropriate ten thousand dollars (\$10,000.00) from money obtained under authority of Chapter 357 Acts of 1915 for the purchase of land and increasing the water supply. This was voted in the affirmative.

Article 19. On motion of Mr. Meaney it was voted to raise and appropriate the sum of \$1,200.00 for the purpose named in this Article.

Article 20. See Article 3.

Article 21. It was voted that the Selectmen be instructed to install three (3) lights on Twombly Avenue.

Article 22. See Article 3.

Article 23. Moved, That the Town issue bonds to the amount of twenty-five thousand dollars (\$25,000.00) for the purposes and within the authority of Chapter 357 of the Acts of 1915 entitled "An Act to authorize the Town of Billerica to make an additional water loan," in such form as the Treasurer of the Town and the Selectmen may determine, the same to be in denominations of one thousand dollars (\$1,000.00), each maturing one each year from 1916 to 1940, inclusive of both, so that the whole principal amount of said bonds shall be paid and extinguished within twenty-five years (25) from the date thereof. The said bonds shall bear interest at the rate of four and one-half (4½) per centum per annum, payable semi-annually to the bearer of the interest coupons annexed to the bonds upon presentation and surrender thereof as they severally become due. Said

bonds shall be denominated on the face thereof Town of Billerica Water Loan, Act of 1915. Shall be signed by the Treasurer and countersigned by the Board of Selectmen and bear the seal of the Town. Said bonds may be sold by the Treasurer at not less than par at public or private sale. Also, that the Town raise and appropriate the sum of one thousand (\$1,000.00) dollars in the year 1916 and each and every year thereafter until the bonds of the Town issued pursuant to the vote this day under Article 23 are paid in full.

On this motion 121 voted in the affirmative and one in the negative, and the motion was declared carried.

Mr. Williams moved, That the Water Commissioners be authorized to make such extensions of the water mains of the Town as in their judgment would be for the best interest of the Town, subject in each case to the 5% guarantee as required in water main extensions. The total sum so expended not to exceed \$15,000.00. Before any extension shall be made, however, a public hearing shall be given in the matter by the Water Commissioners.

This was voted in the affirmative.

Article 24. Mr. Alexander moved that pay of firemen be raised \$25.00 per year.

Mr. Twombly moved to amend that it be increased \$50.00. The motion as amended was carried in the affirmative.

Article 25. Mr. Twombly moved that this Article be laid on the table. The vote on this motion was: Yes, 17; No, 56, and the motion was declared not carried.

Mr. Merriweather moved that the Town take land as specified in this Article. This was voted in the affirmative.

Article 27. On motion of Mr. Singhi it was voted that the increase in Engineers' pay voted at the last Annual Meeting apply from May 1, 1914.

Article 28. On motion of Mr. Sanford this Article was dismissed.

On motion of Mr. Williams a vote of thanks was unanimously given the Moderator for his able and impartial conduct of the meeting.

Adjourned.

HERBERT A. KING,

Town Clerk.

ANNUAL PRIMARY

TOWN OF BILLERICA

WARRANT

COMMONWEALTH OF MASSACHUSETTS

MIDDLESEX, SS.

To either of the Constables of the Town of Billerica :

GREETING :

In the name of the Commonwealth you are hereby required to notify and warn the inhabitants of said Town, who are qualified to vote in Primaries, to meet at Precinct 1, Town Hall, Billerica, at 2 o'clock p. m.; Precinct 2, Union Hall, North Billerica, at 2 o'clock p. m., Tuesday, the twenty-first day of September, 1915, for the following purposes :

To bring in their votes to the Primary Officers for the Nomination of Candidates of Political Parties for the following offices :

Governor; Lieutenant Governor, Secretary of the Commonwealth; Treasurer and Receiver General; Auditor of the Commonwealth; Attorney-General; Councillor, Sixth Councillor District; Senator, Seventh Senatorial District; Representative in General Court, Nineteenth Middlesex Representative District; County Commissioner, Middlesex County; County Treasurer, Middlesex County; Sheriff, Middlesex County; and for the election of the following officers :

District Member of the State Committee for the Seventh Middlesex District, for each political party; Members of the Democratic Town Committee; Members of the Republican Town Committee; Members of the Progressive Party Town Committee; Delegates to State Conventions of Political Parties.

All the above candidates and officers are to be voted upon one ballot.

The polls will be open from 2 p. m. to 8 p. m.

And you are directed to serve this Warrant by posting attested copies thereof, one copy at the Town Hall, one copy at the Union Hall, one copy in each of the Post Offices of the Town, and one copy at ten or more public and conspicuous places, at least eight days before said meeting.

Hereof fail not, and make due return of this warrant, with your doings thereon, at the time and place of said meeting.

Given under our hands this eighth day of September, A. D. 1915.

BURTON O. SANFORD,
RALPH E. MANNING,
JOSIAH WRIGHT,

Selectmen of the Town of Billerica.

Billerica, Mass., Sept. 21, 1915.

I have served this Warrant as therein directed.

HENRY D. LIVINGSTON,

Constable.

Under the foregoing Warrant the following vote was cast:

REPUBLICAN

Governor

	Prec. 1	Prec. 2
Grafton D. Cushing	23	33
Eugene N. Foss	4	3
Samuel W. McCall	44	60
Blanks	1	5

Lieutenant Governor

Calvin Coolidge	43	40
Guy Andrews Ham	25	34
Blanks	4	27

Secretary

Albert P. Langtry	61	63
Blanks	11	38

Treasurer

Charles L. Burrill	59	60
Blanks	13	41

Auditor

Edward C. R. Bagley	12	15
Alonzo B. Cook	37	38
Samuel W. George	15	13
Blanks	8	35

Attorney-General

Henry C. Attwill	58	57
Blanks	14	44

Councillor

Henry C. Mulligan	57	61
Blanks	15	40

Senator

Charles A. Kimball	59	60
Blanks	13	41

Representative in General Court

	Prec. 1	Prec. 2
Burton H. Crosby	54	36
Harry W. Leavitt	6	49
Blanks	12	16

County Commissioner

John Lathrop Dyer	13	24
Harry A. Penniman	10	6
Chester B. Williams	36	34
Blanks	13	37

County Treasurer

Joseph O. Hayden	47	46
Harold David Wilson	13	17
Blanks	12	38

Sheriff

John R. Fairbairn	37	57
Adelbert B. Messer	34	43
Blanks	1	1

State Committee

Louis Pfeiffer	59	62
Blanks	13	39

Delegates to State Convention

Ivory M. Hanson	49	51
Dana H. Spiller	53	52
Thomas T. Clark	49	57
Blanks	65	136
Robert Tivey	1	1

Town Committee

Ivory M. Hanson	47	55
John Brown	48	56
James W. Ritchie	48	53
William McBride	48	53
John A. Richardson	51	56
Dana H. Spiller	49	52
Guy M. Richardson	48	54

	Prec. 1	Prec. 2
Thomas T. Clark	47	55
Ora E. Bohannon	50	53
Clarence A. Bowman	50	52
Herbert A. King	51	52
Albert H. Richardson	48	57
James F. Fuller	50	51
Warren Holden	50	56
Charles H. Bailey	48	52
Joseph F. Talbot	48	55
Charles F. Manning	47	52
Thomas Jennings	50	53
Blanks	419	841
Charles Turner	1	0
J. H. O'Brien	1	0
C. Riley	1	0
Hayes	1	0
Henry Mahoney	1	0
Alexander Allen	1	0
Bart Hayes	1	0
Fred Walker	1	0
James Hand	1	0
Robert Damon	1	0

PROGRESSIVE PARTY.

Governor

	Prec. 1	Prec. 2
Nelson B. Clark	2	0
Blanks	0	0

Lieutenant Governor

Blanks	2	0
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Secretary

Blanks	2	0
--------------	---	---

Treasurer

Blanks	2	0
--------------	---	---

Auditor

Blanks	2	0
--------------	---	---

Attorney-General

	Prec. 1	Prec. 2
Blanks	0	0

Councillor Sixth District

Blanks	0	0
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Representative in General Court

John R. Kiggins	2	0
Blanks	0	0

County Commissioner

George A. Goodwin	2	0
Blanks	0	0

County Treasurer

David A. Keefe	2	0
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Sheriff

Blanks	1	0
John Fairburn	1	1

State Committee

Blanks	1	0
Louis Pfeiffer	1	0

Delegates to State Convention

Blanks	6	0
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Town Committee

Blanks	24	0
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DEMOCRATIC PARTY**Governor**

	Prec. 1	Prec. 2
Frederick S. Deitrick	1	1
David I. Walsh	5	18

Lieutenant Governor

Edward P. Barry	5	15
Blanks	1	4

Secretary

	Prec. 1	Prec. 2
Edwin A. Grosvenor	4	13
Blanks	2	6

Treasurer

Henry L. Bowles	3	14
Blanks	3	5

Auditor

Jacob C. Morse	3	14
Blanks	3	5

Attorney-General

Joseph Joyce Donahue	6	14
Harold Williams, Jr.	0	0
Blanks	0	5

Councillor

Joseph H. McNally	5	14
Blanks	1	5

Senator

Frederic W. Burke	5	14
Blanks	1	5

Representative in General Court

John R. Kiggins	6	15
Blanks	0	4

County Commissioner

Michael O'Connor	4	13
Blanks	2	1

County Treasurer

David A. Keefe	4	13
Blanks	2	6

Sheriff

John J. Donovan	6	15
George A. Ferris	0	0
Blanks	0	4

State Committee

	Prec. 1	Prec. 2
Blanks	6	6
T. F. McElligott	0	1
Thos. Sheridan	0	1
John Twomey	0	1

Delegates to State Convention

Philip B. Dolan	6	14
Blanks	0	5

Town Committee

James Bradley	6	13
Arthur Mahoney	5	15
Thomas F. McElligott	6	14
John Twomey	6	14
Edward Costello	5	13
William Costello	5	14
Charles J. Nugent	6	14
Charles E. Cowdrey	5	15
John J. McSweeney	5	14
John Verner	5	14
Francis Dolan	6	13
Fredrick Hannon	5	14
Henry Mahoney	6	13
Dennis J. Mahoney	6	15
Michael McElligott	6	14
Blanks	7	76
Carl Delehanty	0	1
J. Condon	0	1
James Barton	0	1
T. McCarthy	0	1
J. Linehan	0	1

PRECINCT CLERK'S REPORT**Precinct No. 1.**

State Primary Election, Sept. 21, 1915.

Held at Town Hall, Billerica, Mass.

Polls opened at 2 o'clock p. m.

Precinct officers present:

Warden, Michael H. McElligott, sworn by A. H. Richardson, Deputy clerk.

Deputy Warden, D. Fred Reordan, sworn by A. H. Richardson, Deputy Clerk.

Deputy Inspector, Frank L. Day, sworn by A. H. Richardson, Deputy Clerk.

Deputy Inspector, Charles E. Scott, sworn by Town Clerk.

Deputy Clerk, Albert H. Richardson, sworn by Town Clerk.

Inspector, Everett S. Bull, sworn by Town Clerk.

Deputy Inspector, Philip B. Dolan, sworn by A. H. Richardson, Deputy Clerk.

Clerk, Charles A. Wright, sworn by A. H. Richardson, Deputy Clerk.

Polls closed at 8 o'clock p. m.

Number of ballots cast	84
Republican	72
	—
Democratic	6
Progressive	2
Void	4
	—
	84

CHARLES A. WRIGHT,

Clerk.

REPORT OF CLERK OF PRECINCT OFFICER.

Precinct No. 2.

Sept. 21, 1915.

Polls opened at 2 o'clock p. m.

The following officers were sworn in by Town Clerk Herbert A.

King:

Guy M. Richardson,
 Geo. W. Chambers,
 Dennis J. Mahoney,
 Daniel Fitzpatrick,
 Charles H. Bailey,
 Frank Walker,
 Edward T. Riley,
 Timothy McCarty, Jr.

Polls closed 8 p. m.

Number of ballots received	500
Number of ballots used	125
Number of ballots returned	375
Total vote cast	125
Number of blank ballots cast	5

Frank V. Mahoney's name was not on the check list, was allowed to vote by permission of John H. Mahoney, member of the Board of Registrars.

The name of Elmer Stevenson was put on the list by permission of Herbert A. King, Town Clerk.

Thomas McElligott's name was put on by permission of Herbert A. King.

Ballot box registered only 123 missed 2 ballots.

DENNIS J. MAHONEY,
Clerk of Precinct.

ANNUAL STATE ELECTION

TOWN OF BILLERICA

WARRANT

COMMONWEALTH OF MASSACHUSETTS

MIDDLESEX, SS.

To Any Constable of the Town of Billerica:

GREETINGS:

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in Elections and Town affairs, to meet at Precinct 1, Town Hall, Billerica Centre, at 6 o'clock a. m.; Precinct 2, Union Hall, North Billerica, at 6 o'clock a. m., Tuesday, November 2, 1915, to bring in their votes on one ballot for the following officers:

Governor; Lieutenant Governor; Secretary; Treasurer; Auditor; Attorney-General; Councillor, Sixth Councillor District; Senator, Seventh Middlesex Senatorial District; Representative in General Court, Nineteenth Middlesex Representative District; County Commissioner, Middlesex County; County Treasurer; Sheriff.

Also to vote on the following questions:

Acceptance of Chapter 129, Resolves of 1915, entitled "Resolves to provide for submitting to the people the article of amendment of the Constitution empowering the General Court to authorize the taking of land to relieve congestion of population and to provide homes for citizens."

Acceptance of Chapter 130, Resolves of 1915, entitled "Resolves to provide for submitting to the people the article of amendment of the Constitution striking the word 'male' from the qualifications of voters."

Acceptance of Chapter 140, Resolves of 1915, entitled "Resolves to provide for submitting to the people the article of amendment of the Constitution relative to the authority of the General Court to impose taxes."

The polls may close at 4 o'clock p. m.

And you are directed to serve this Warrant by posting attested copies thereof, one copy at the Town Hall, one copy at the Union Hall, one copy in each of the Post Offices of the Town, and one copy at ten or more public and conspicuous places, at least eight days before said meeting.

Hereof fail not, and make due return of this warrant, with your doings thereon, at the time and place of said meeting.

Given under our hands this twenty-first day of October, in the year of our Lord nineteen hundred and fifteen.

BURTON O. SANFORD,

RALPH E. MANNING,

JOSIAH WRIGHT,

Selectmen of the Town of Billerica.

Billerica, Nov. 2, 1915.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON,

Constable.

Billerica, Nov. 2, 1915.

Under the foregoing warrant the following vote was cast:

	Prec. 1.	Prec. 2.	Total.
Governor			
Nelson B. Clark, of Beverly	14	4	18
Walter S. Hutchins, of Greenfield	3	6	9
Samuel W. McCall, of Winchester	198	152	350
Peter O'Rourke, of Medford	0	2	2
William Shaw, of Andover	11	4	15
David I. Walsh, of Fitchburg	76	155	231
Blanks	4	1	5
Lieutenant Governor			
Edward P. Barry, of Boston	58	140	198
Calvin Coolidge, of Northampton	210	159	369
Alfred H. Evans, of Hadley	6	3	9
James Hayes, of Plymouth	2	8	10
Chester R. Lawrence, of Boston	8	2	10
Samuel P. Levenberg, of Boston	5	3	8
Blanks	17	9	26
Secretary			
Edwin A. Grosvenor, of Amherst	54	132	186
Albert P. Langtry, of Springfield	215	159	374
Thomas J. Maher, of Medford	1	9	10
Marion E. Sproule, of Lowell	7	10	17
Willard O. Wylie, of Beverly	8	2	10
Blanks	21	12	33
Treasurer			
Henry L. Bowles, of Springfield	52	128	180
Charles L. Burrill, of Boston	216	164	380
Charles E. Fenner, of Worcester	6	9	15
William E. Marks, of Worcester	8	2	10
Jeremiah P. McNally, of Salem	1	3	4
Blanks	23	18	41
Auditor			
Alonzo B. Cook, of Boston	215	160	375
James W. Holden, of New Bedford	2	5	7
Henry C. Iram, of Warwick	9	9	18

	Prec. 1.	Prec. 2.	Total.
Jacob C. Morse, of Brookline	47	127	174
William G. Rogers, of Wilbraham	8	3	11
Blanks	25	20	45

Attorney-General

Henry C. Attwill, of Lynn	216	154	370
Frank Auchter, of Boston	11	2	13
Joseph Joyce Donahue, of Medford	44	133	177
John McCarthy, of Abington	7	8	15
William Taylor, of Worcester	2	2	4
Blanks	26	25	51

Councillor

Joseph H. McNally, of Watertown	59	133	192
Henry C. Mulligan, of Natick	211	164	375
Blanks	36	26	62
Patrick Delehanty	0	1	1

Senator

Frederic W. Burke, of Lynn	53	146	199
Charles A. Kimball, of Littleton	223	162	385
Blanks	30	15	45

Representative in General Court

Burton H. Crosby, of Lowell	202	139	341
John R. Kiggins, of Billerica	90	180	270
Blanks	14	4	18
Patrick Delehanty	0	1	1

County Commissioner

Alfred L. Cutting, of Weston	208	156	364
John Lathrop Dyer, of Cambridge	8	6	14
George A. Goodwin, of Cambridge	17	5	22
Michael M. O'Connor, of Cambridge ...	41	114	155
William H. Walsh, of Framingham	7	22	29
Blanks	25	20	45
Patrick Delehanty	0	1	1

County Treasurer

DeWitt Clinton Clapp, of Cambridge...	13	5	18
Joseph O. Hayden, of Somerville	208	162	370

	Prec. 1.	Prec. 2.	Total.
David A. Keefe, of Cambridge	50	126	176
Blanks	35	31	66

Sheriff

John J. Donovan, of Lowell	54	124	178
John R. Fairbairn, of Cambridge	218	183	401
Blanks	33	17	50
Mike Fauncon	1	0	1

Shall the proposed amendment to the Constitution, empowering the General Court to authorize the taking of land to relieve congestion of population and to provide homes for citizens be approved and ratified?

Yes	121	176	297
No	102	50	152
Blanks	83	98	181

Shall the following proposed amendment to the Constitution, relative women to vote, be approved and ratified?

Yes	99	143	242
No	179	150	329
Blanks	28	31	59

Shall the following proposed amendment to the Constituion, relative to the taxation of incomes and the granting of reasonable exemptions, be approved and ratified?

Yes	148	169	317
No	73	66	139
Blanks	85	89	174

Vote of Prec. 1	306
Vote of Prec. 2	324
Total	630

REPORT OF PRECINCT CLERK

Billerica, Mass., Nov. 2, 1915.

Polls opened at 6 a. m., four officers present.

At 2 p. m. Philip H. Dolan was sworn in after being chosen by vote of the election officers present to fill the place of Lewis A. Crosby.

At 2 p. m. the box was opened and two hundred ballots taken out.

Polls closed at 4 p. m., and on count of check lists the vote was declared as three hundred six. Count completed and vote announced at 5.25 p. m.

CHARLES A. WRIGHT,
Clerk.

Precinct officers serving:

Warden, Michael H. McElligott.
Deputy Warden, D. Fred Reardon.
Clerk, Chas. A. Wright.
Deputy Clerk, Albert H. Richardson.
Inspector, Everett S. Bull.
Deputy Inspector, Frank L. Day.
Inspector, Charles E. Scott.
Deputy Inspector, Philip B. Dolan.

CHARLES A. WRIGHT,
Precinct Clerk.

Precinct No. 2 Report.

Billerica, Nov. 2, 1915.

Report of Precinct Clerk No. 2, 1915:

Polls opened at 6 a. m.

Warden, Guy M. Richardson.
Deputy Warden, Geo. W. Chambers.
Clerk, Dennis J. Mahoney.
Deputy Clerk, Daniel Fitzpatrick.
Inspector, Charles H. Bailey.
Deputy Inspector, Frank Walker.
Edward T. Riley.
Timothy J. McCarthy, Jr.

Number of ballots received	500
Number of ballots returned	176
Number of ballots used	324

Polls closed at 4 o'clock.

Total vote, 324.

John J. O'Connor and John W. Bostwick were sworn in as tellers by Warden Guy M. Richardson at 2 o'clock.

DENNIS J. MAHONEY,

Precinct Clerk.

Both Precincts made their returns to the Town Clerk before 6 o'clock p. m.

Attest,

HERBERT A. KING,

Town Clerk.

COMMONWEALTH OF MASSACHUSETTS.

County of Middlesex

City of Lowell

City Clerk's Office, City Hall,

Nov. 12, 1915, at 12 o'clock M.

We, the undersigned, Clerks of the City and Towns included in the Nineteenth Middlesex Representative District, Certify—That a meeting of said Clerks was holden as directed by Section 322, Chapter 835, Acts of 1913, at the place designated by the County Commissioners, to wit:—at the City Clerk's Office, City Hall, Lowell, on the date and at the time above written, for the purpose of determining who appeared to be elected to the office of Representative in the General Court from said district, and that they did examine and compare the record of votes given in for said office at the election holden on the second day of November, A. D. 1915, in the several precincts of the City of Lowell and in the towns of Billerica and Tewksbury, of which said district is comprised, and we further certify the following to be a true and complete schedule of all the persons voted for for Representative in said district, and as shown by the said copies of record the number of votes for each person:

Burton H. Crosby, of Lowell, thirteen hundred eighty-three...	1,383
John R. Kiggins, of Billerica, twelve hundred forty-two	1,242
Patrick Delehanty, of Billerica, one	1
Blanks, ninety-four	94
Whole number of ballots, twenty-seven hundred twenty	2,720

STEPHEN FLYNN, City Clerk, Lowell.

HERBERT A. KING, Town Clerk, Billerica.

PETER W. CAMERON, Town Clerk, Tewksbury.

REPORT OF COMMITTEE ON BUILDING BY-LAWS

North Billerica, Mass., January 10th, 1916.

To the Selectmen of the Town of Billerica:

In accordance with the vote taken at the Annual Town Meeting, the Committee on Building By-Laws gave a hearing in the Town Hall on June 29th, 1915. This meeting was duly advertised in the *Courier-Citizen*. There was an attendance of about twenty-five voters, representing all parts of the Town, and there was a full discussion of the proposed building by-laws.

A public hearing was also held at the request of the Pinehurst Improvement Association, at the Pavilion at Pinehurst Park, which was loaned for this purpose by Mr. J. Joseph McHugh. There was an attendance of over 100 persons at this meeting, including representatives of all the districts in this section, which has a summer population of between four thousand and five thousand people.

The committee made plain at the outset of this hearing that it had nothing to do with the question of Town water or roads, its duty being to determine upon building restrictions which were in the interest of the health and safety of the public. No less than twenty ladies and gentlemen took part in the discussion.

The undersigned members of the committee were at both of these meetings, and have held other meetings.

We agree that the by-laws recommended herewith represent the sentiment as expressed and approved by a large majority of those present at the hearings.

We have not provided in the by-laws, as the sentiment seemed adverse thereto, for fire-resisting roofing material, substantial foundations, or a set-back from the street line of not less than fifteen feet, although we feel that these provisions ought to be adopted. We found that there was a minimum set-back of fifteen feet established in the sale of most lots.

It is to be understood that these by-laws will only apply to buildings erected or altered after their adoption.

In this report they desire to express their appreciation of the aid given the committee by Mr. Francis W. Belknap, who prepared a very complete code of by-laws based upon the code of many towns.

Respectfully submitted,

WARREN H. MANNING,
JOSEPH P. MEANEY,
EDGAR P. SELLEW,
JOHN A. RICHARDSON,

Committee on Building By-Laws.

**Proposed Code of Building Laws by Building By-Laws
Committee.**

There shall be a building inspector appointed by the Selectmen, who shall have the right to enter all buildings or premises in the Town in the pursuance of his duty. He shall record all inspections and business, make the yearly report required to the Selectmen by law, and such other reports as they may call for. He shall frequently inspect all buildings in course of erection or alteration. He shall report violations of the law, and the names of those responsible for such, to the Selectmen.

Before the erection of a new building, or the repair or alteration of any building is undertaken, there shall be filed with the building inspector sketches, plans, or descriptions covering all details of construction.

All parts of all buildings shall be not less than seven and one-half feet from the side lines of the property upon which placed.

There shall be no dwellings in which provision shall be made for more than one family living above another, or that shall be over two and one-half stories in height.

All rooms and every water closet shall be provided with outside windows that shall be made to open one-half their entire area. The glazed surface of the windows of such rooms, measured between stop beads, shall be at least one-sixth of the area of the floor of such room.

Cesspools shall be placed, and plumbing installed as directed by the inspector, and in accordance with the rules of the Board of Health.

Any person violating these by-laws shall be punished by a fine of not less than \$25.00 or more than \$100.00, to be paid into the treasury of the Town of Billerica.

These requirments and penalties shall apply to such other rules and regulations for building as shall be made from time to time by the Board of Selectmen.

BIRTHS RECORDED IN BILLERICA 1915

No.	Date	Name of Child	Name of Parents
1	Jan. 2	Hazel Forhan Smith	Thomas and Emily
2	Jan. 5	George Lester Fayton	Thomas and Bessie
3	Jan. 8	Joseph George Francis Hamel	Leger and Evelyn
4	Jan. 8	John Joseph Casey	Peter and Francis
5	Jan. 8	Claire James Whittaker	Edward and Marguerite
6	Jan. 14	Helen Mischowitz	Justin and Annie
7	Jan. 22	William Alonzo Lewis	Fred and Mary
8	Feb. 11	Margaret Helen Blakely	Alexander and Helen
9	Mar. 8	William Huntley Hammond	Leslie and Ada
10	Mar. 30	Joseph La Breque	Edmund and Juliet
11	Apr. 12	Brien	Elizabeth
12	Apr. 16	Caroline Rita Monahan	William and Johanna
13	Apr. 17	Donald Lee Knight	Ralph and Lessa
14	Apr. 23	Alice O'Hara	Frederick and Lena
15	May 8	Hollis Gregory Hall	Squire and Kathleen
16	May 12	Duncan McLeod	John and Martha
17	May 29	Alfred Walker Schmidt	William and Lillian
18	June 3	Lasota	Anthony and Onisqula
19	June 6	Guptill	Albion and Letitia
20	June 8	Alice Blanche Greenwood	Oliver and Ida
21	June 9	Vincent Woodrow Ellis	Edgar and Adela
22	June 9	Ruth Agnes Nugent	Charles and Catherine
23	June 13	Alfred McCosker	James and Annie
24	July 1	Weston Earl Swanson	Anton and Ann
25	July 1	Mona Gertrude Davidson	Frank L. and Elizabeth
26	July 1	Elina Burnham	Ralph and Maude
27	July 19	Wilfred Henry Shuman	Howell and Lillian
28	July 20	Henry Jefferson Brown	Jefferson and Margaret
29	July 21	Freda Regina Berger	Albert and Marjje
30	July 28	John Howard Morris	William and Florence
31	Aug. 7	Joseph Thomas Chisholm	Joseph and Elizabeth
32	Aug. 16	John Campbell Mitchell	Alexander H. and Blanche S.

No.	Date	Name of Child	Name of Parents
33	Sept. 15	Alice Ruth Hull	John H. and Carrie R.
34	Sept. 17	Jas. Smith	William and Mary
35	Sept. 21	Leon Raymond Pickup	Albert and Francis
36	Oct. 2	Albert Henry Richardson, Jr.	Albert and Edna
37	Oct. 11	Anna Lihna Milda Plugis	John and Annette
38	Oct. 23	Hanson	Richard and Esther
39	Oct. 23	James Ennion	George and Minnie
No.	Date	Name of Child	Name of Parents
40	Oct. 26	Margaret Elizabeth O'Brien	William and Nellie
41	Oct. 28	Jenkins	Caleb and Grace
42	Oct. 29	Maurice Cassidy McElligott	Thomas and Agnes
43	Oct. 29	Kenneth Lee Tingley	Henry
44	Nov. 9	Lillian Evelyn Buglar	John and Clara
45	Nov. 14	Maurice Newman	Maurice and Catherine
46	Dec. 6	Raymond Tuttle McLean	John and Armanda
47	Dec. 8	Thelma Gertrude Smith	Maurice and Jennie
48	Dec. 9	Sanford	Burton and Alice
49	Dec. 9	Regena Ostoisrewski	Joseph and Stefeanija
50	Dec. 14	Marie Blanche Omelda Fountain	John and Eugene
51	Dec. 17	Virginia Rosa Calvi	John and Jennie
52	Dec. 21	Helen Shannon	Harry and Mabel
53	Dec. 29	McGuire	and Isabelle
54	Dec. 31	Francis Lester Shaugnessy	John and Bridget

Births Not Reported Until 1915

1914

1	Jan. 2	Frances Norman Lundgren	Charles and Sigrid
2	June 24	Marie O'Brien	William and Nellie

HERBERT A. KING,

Town Clerk.

MARRIAGES IN 1915

No.	Date	Name	Residence
1	Jan. 11	William A. Stetson	Billerica
		Clara Belle Bowers	Burlington
2	Jan. 21	Victor Gagne	North Billerica
		Mary J. Millette	Lowell
3	Feb. 14	William J. Morris	North Billerica
		Florence Pearl Buckley	North Billerica
4	Feb. 21	Joseph C. Chisholm	North Billerica
		Elizabeth McAtee	Lowell
5	Mar. 4	Ernest A. Needham	Boston, Mass.
		Susie D. Howe	Billerica
6	Mar. 22	Neil K. Forhan	North Billerica
		Clara B. Ritchie	Centerville, N. B.
7	Mar. 24	Carl Petterson	North Billerica
		Susan MacQueen	Lowell, Mass.
8	Mar. 24	William Clark Chamberlain	Newbury, Vt.
		Neva Ricker	South Billerica
9	Apr. 5	Camille Porrier	North Billerica
		Rose Alba De Forge	North Billerica
10	Apr. 7	Joseph Edward Collier	North Billerica
		Irene Trubey	North Chelmsford
11	Apr. 11	Arthur G. Morris	Keene, N. H.
		Delia M. Boyea	North Billerica
12	Apr. 19	Joseph Greueer	North Billerica
		Victoria Blanchette	North Billerica
13	Apr. 28	Edward Thommen	Billerica
		Edith (Dodge) Evans	Billerica
14	Apr. 29	Timothy F. Pike	Somerville, Mass.
		Carrie Elizabeth Pickard	Billerica
15	May 8	John J. Ritchie	North Billerica
		Florence R. Ruth	North Billerica

No.	Date	Name	Residence
16	June 4	Harold Allen Bray	Billerica
		Marion Gertrude Staples	Billerica
17	June 6	Joseph W. Martin	Billerica
		Annie M. Zaborousky	So. Boston
18	June 6	Ivor L. Burpee	Lynn
		Frances W. Staples	Lynn
19	June 13	John Calvi	Billerica
		Jennie Priestly Lane	Billerica
20	June 15	John F. Brown	Lowell
		Irene H. Nickles	North Billerica
21	June 24	Frank C. Clemants	Lowell
		Edith B. (Gumb) Wilson	Lowell
22	June 30	Robert Bigelow Houghton	Billerica
		Helen Marion Wilkins	Billerica
23	July 9	William G. Hudson	Billerica
		Mary H. Edgar	Billerica
24	July 30	Raymond F. Hopkinson	Billerica
		Mina Cornelia Thoresen	Billerica
25	Aug. 4	C. Warren Howe, Jr.	Lowell
		M. Lavinia Adlington	Billerica
26	Sept. 1	Samuel Ulman	Boston
		Lucy Schwartz	Billerica
27	Sept. 3	William Maxwell	North Billerica
		Nellie E. Kirby	Lowell
28	Sept. 4	Walter Howard Chandler	North Billerica
		Anna Beatrice Castles	Lowell
29	Sept. 6	Joseph Albert Hamel	North Billerica
		Marie Lydia Letourneau	Fall River, Mass.
30	Sept. 8	Joseph Wainwright	Detroit, Mich.
		Sallie May Murphy	Brooklyn, N. Y.
31	Oct. 7	Joseph F. Atwood	Billerica
		Abbie Florence Davis	Boston
32	Oct. 10	Joseph Hopkins	North Billerica
		Della Boulette	North Billerica
33	Oct. 11	George D. Freeman	Lowell
		Mary E. Ready	North Billerica
34	Oct. 30	John Stanley Kane	Watertown
		Elizabeth Coyle	Billerica
35	Nov. 24	Charles E. Pettis	North Billerica
		Mary Jane McGrath	North Billerica

No.	Date	Name	Residence
36	Nov. 24	William O. Nichols	Lowell
		Margaret M. Carney	Billerica
37	Nov. 25	John Iversen	Fitchburg
		Josephine Barton	North Billerica
38	Dec. 1	Frederick E. Mason	Billerica
		Rachel M. Farmer	Billerica
39	Dec. 6	George F. Sabre	Lowell
		Esther Moran	North Billerica
40	Dec. 8	Lewis Joseph Monty	North Billerica
		Margaret Agnes McGrath	North Billerica
41	Dec. 30	Walter C. Pierce	Billerica
		Mabel M. Barrett	Worcester

HERBERT A. KING,

Town Clerk.

DEATHS RECORDED IN 1915

No.	Date	Name	Yrs.	Mths.	Dys.
1	Jan. 7	Jane Coffey	84	3	11
2	Jan. 28	Arthur J. Davison	61	7	—
3	Jan. 28	George Lester Fayton	—	—	21
4	Jan. 31	John Riley	62	7	7
5	Feb. 3	George William Marsh	77	8	13
6	Feb. 8	George A. Collinge	—	2	6
7	Feb. 14	John J. Sullivan	73	—	—
8	Feb. 13	William H. Somers	47	—	—
9	Feb. 14	Anton Larson	55	10	—
10	Feb. 24	Martin Morrissey	55	10	—
11	Mar. 1	Laudina Cote	33	—	—
12	Mar. 12	Clare James Kelley	—	2	4
13	Mar. 24	John Hall	1	3	6
14	Mar. 30	Joseph La Breque	—	—	5
15	Apr. 4	John B. Tyler, M. D.	70	—	—
16	Apr. 24	Maria Chamberlin	87	3	—
17	May 27	Adelia E. Earle	59	10	15
18	June 2	George M. Mills	33	2	10
19	June 4	Alexander Dutton	48	8	—
20	June 6	William M. Duggan	51	1	10
21	June 9	Guptill	—	—	2½
22	June 15	John Flaherty	39	—	—
23	June 28	Eugene Courtney	30	—	—
24	June 30	John D. McLeod	9	—	—
25	July 3	Otto Davis	42	2	9
26	July 9	Susan E. Burton	60	—	—
27	July 17	Walter F. Eaton	60	1	17
28	July 17	Sadie M. McLeod	11	3	—
29	July 23	Lillian E. Shuman	20	11	—
30	July 25	Jeannie Philips Richardson	57	11	23
31	July 29	Elmer E. Cole	54	5	18
32	Aug. 10	Dedrick Feldermann	—	—	—

No.	Date	Name	Yrs.	Mths.	Dys.
33	Aug. 12	Sarah M. Smith	71	7	—
34	Sept. 4	Anna Lawrence	—	1	9
35	Sept. 7	Richard McCullough	14	5	4
36	Sept. 14	Leo William McConologue	6	6	—
37	Oct. 1	William J. Lyons	60	—	—
38	Oct. 4	Blanche Fisk	45	—	—
39	Oct. 12	Charles Haughey	85	—	—
40	Oct. 14	Frank Cyluske	6	8	—
41	Nov. 9	Alexina Belland	—	4	—
42	Nov. 10	Louis Robert Rousseau	3	4	19
43	Nov. 19	Nigel Clayton Wing	1	—	21
44	Nov. 21	Marion E. Sanford	—	6	11
45	Nov. 21	Joseph E. Blodgett	76	4	11
46	Nov. 27	Frederic E. Hannon	6	5	1
47	Dec. 8	Mary Mieszkinnocz	2	6	—
48	Dec. 11	Annie Mieszkinnocz	7	1	12
49	Dec. 17	Eliza A. Townsend	68	7	3
50	Dec. 22	Ellen Trainor	25	—	—
51	Dec. 24	Harry Remick	44	9	7
52	Dec. 27	Warner S. Allen	—	9	18
53	Dec. 27	McGuire	—	—	—

HERBERT A. KING,

Town Clerk.

BURIALS IN BILLERICA, NON-RESIDENTS, IN 1915

No.	Date	Name	Yrs.	Mths.	Dys.
1	Jan. 9	George N. Mills	62	9	9
2	Jan. 9	Albert Butterworth	34	—	—
3	Jan. 30	Annie Foster Smith	25	—	—
4	Feb. 4	Raymond H. Putney	3	5	8
5	Feb. 25	Eliza Lyons Clark	69	10	9
6	Mar. 6	Annie S. Merriam	54	—	—
7	May 5	Arthur F. Ingalls	42	3	12
8	June 19	George H. Bowman	60	6	9
9	June 25	Laura E. Mills	68	—	—
10	Oct. 18	Lucinda E. Avery	70	2	—
11	Oct. 31	Mary E. Crosby	73	—	—
12	Nov. 3	Charles E. Stearns	31	7	—

HERBERT A. KING,

Town Clerk.

**PERSONS HAVING DOGS LICENSED DURING
THE YEAR 1915**

No.	Name	No.	Name
1	John A. Richardson	29	Robert M. Jacobs
2	Edwin S. Stevens	30	H. B. Richardson
3	Isabel Benson	31	Hector Patnaude
4	Thomas T. Clark	32	Percy Beard
5	N. A. McMillan	33	Harry Renshaw
6	F. A. Crawford	34	Ora Bohannon
7	W. A. Savage	35	N. R. Jones
8	Frank H. Alexander	36	F. M. Blanchard
9	Mrs. Whiteside	37	Edgar P. Sellew
10	Fuller Bros.	38	Dr. M. A. Buck
11	L. S. Peavey	39	Burton O. Sanford
12	Charles Martindale	40	J. A. Ruth
13	M. H. Kohlrausch	41	Thomas H. Bateson
14	W. M. Dugan	42	George H. Hoyle
15	Gertrude Ingram	43	John H. Foster
16	Fred C. Smith	44	John H. Foster
17	Thomas Sullivan	45	Arthur S. Cook
18	F. A. D. Singhi	46	Carrie Bowman
19	George C. Moore	47	Ralph E. Manning
20	V. H. J. Belle Isle	48	William McBride
21	J. A. Russ	49	Ralph E. Manning
22	William Burris	50	Josiah Wright
23	C. A. Backer	51	Richard Faulkner
24	George E. Simonds	52	P. B. Kirschner
25	Lillie Bottomley	53	John Downing
26	Fred R. Gray	54	Isaac Hopkinson
27	James Ritchie	55	Isaac Hopkinson
28	Frank L. Day	56	Mary R. Eames

No.	Name	No.	Name
57	George K. Moy	97	Lucy Callahan
58	George K. Moy	98	Geo. W. Hannon
59	John Mullen	99	Edith H. Emerson
60	Mrs. Chester Page	100	Edith H. Emerson
61	John McCluskey	101	Edith H. Emerson
62	Edward A. King	102	Edith H. Emerson
63	F. W. Flitner	103	C. H. Welch
64	Clarence McElman	104	Edith H. Emerson
65	Wm. Flanders, Jr.	105	William Marston
66	Thomas Elder	106	O. H. Bicknell
67	Mrs. Eugene Maybury	107	Michael J. Gill
68	C. W. Moulton	108	Everett Hammond
69	Rev. David Murphy	109	John Quinn
70	Lizzie L. Gleason	110	J. Donovan
71	Albert Richardson	111	Miles Finnegan
72	Alexander H. Mitchell	112	H. S. Corliss
73	Alexander H. Mitchell	113	Alexander Allen
74	Alexander H. Mitchell	114	Robert Spencer
75	James F. Barton, Jr.	115	Warren Holden
76	Charles M. Hayes	116	C. D. Tutein
77	R. T. Baisley	117	Albert Berger
78	Everett Hawes	118	Flora Trefry
79	Abram Flint	119	Lester A. Fralick
80	Henry Hutchins	120	H. N. Putney
81	Edward Gay	121	Mr. Fayton
82	John Brown	122	P. F. Holden
83	Elizabeth Gannon	123	P. F. Holden
84	R. L. Nutter	124	W. S. Merriweather
85	F. R. Lewis	125	J. B. Nicholson
86	Joseph Boucher	126	J. B. Nicholson
87	T. A. Crosby	127	Herbert Gleason
88	Fanny Leavitt	128	D. Boracci
89	Eliza J. Thomas	129	Miss Garidi
90	Ruth Schult	130	W. H. Nason
91	E. Elizabeth Schult	131	D. H. Dimock
92	F. H. Kenney	132	Frederick T. Callahan
93	F. H. Kenney	133	
94	J. E. Allen	134	Geo. M. Carr
95	Fred A. Barton	135	H. B. Hosmer
96	C. A. Bowman	136	H. B. Hosmer

No.	Name
137	H. B. Hosmer
138	S. A. McQuaid
139	L. A. Mansell
140	Edwin M. Whitney
141	Roger Bates
142	John Dewhurst
143	R. Harmston
144	J. B. Holden
145	Michael Kichas
146	William E. Miller
147	Albert J. Hamel
148	Frank St. John
149	Mr. Cranell
150	Paul Severance
151	Fred Julian
152	H. W. Essex
153	Henry Schmelzer
154	John McDermott
155	C. A. Fordham
156	Mary J. Danine
157	Thomas Warborton
158	Warren E. Metcalf
159	Al. Mereier
160	Stanley Harrison

No.	Name
161	H. D. Livingston
162	Gardner Spaulding
163	Fred Reardon
164	Charles Scott
165	Uno Ohlson
166	P. G. Dockham
167	George Hurst
168	Chas. Hurst
169	E. K. De Lorey
170	E. K. De Lorey
171	E. K. De Lorey
172	J. P. Davidson
173	John Twoomey
174	J. Albert Moran
175	C. E. Strout
176	Dr. Neil K. Forhan
177	Charles O'Brien
178	V. Nagelin
179	Charles E. Nuttall
180	Harvey P. Brown
181	H. Marion Houghton
182	Merton Fisk
183	Dr. Harold Estey
184	Edw. O'Connor

HERBERT A. KING,

Town Clerk.

COMMON AND TOWN PUMP

Appropriation	\$125 00
Balance December 31, 1914	42 65
	<hr/>
Total	\$167 65
Expended	133 47
	<hr/>
Balance December 31, 1915	\$34 18

Expenditures

1915		
April	19, A. O. Dane	\$10 00
May	3, Thomas Lydon	2 70
	Thomas Lydon	2 25
Aug.	2, W. B. Wheeler	2 02
Nov.	1, Tree Warden's Dept.	11 00
	J. F. Bruce	100 00
Dec.	20, Josiah Wright	5 50
		<hr/>
		\$133 47

BOARD OF HEALTH

Appropriation	\$125 00
Balance December 31, 1914	375 73
<hr/>	
Total	\$500 73
Expended	481 33
<hr/>	
Balance December 31, 1915	\$19 40

Expenditures

1915		
Jan.	18, Pay Roll	\$6 00
Feb.	1, Thomas B. Smith, M.D.	27 00
	Wm. H. Hutchins	24 15
Mar.	1, Wm. H. Hutchins	16 05
Apr.	5, Wm. H. Hutchins	11 20
May	3, Wm. H. Hutchins	5 60
Sept.	6, City of Lynn	98 57
Dec.	6, Billerica Printing Co.	8 75
	H. G. Watts Co.	14 84
	Courier-Citizen Co.	2 50
	City of Lynn	90 00
	Towers Corner Drug Store ..	1 90
	Hobbs & Warren	1 37
	Hobbs & Warren	1 26
Dec.	20, F. & E. Bailey & Co.	82 64
	A. H. Jones	85 75
	Towers Corner Drug Store ..	3 75
<hr/>		\$481 33

Respectfully submitted,

N. K. FORHAN, M.D.,
M. A. BUCK, M.D.,
T. A. ELLIS.

PRINTING

Appropriation	\$500 00	
Balance, December 31, 1914	68 98	
	<hr/>	\$568 98
Expended		412 30
		<hr/>
Balance, December 31, 1915		\$156 68

Expenditures.

1915		
Feb. 15, Butterfield Printing Co.	\$8 00	
April 5, C. I. Hood Co.	404 30	
	<hr/>	\$412 30

CEMETERIES

1915			
Feb.	1,	Pay Roll	\$95 00
		E. A. King	1 20
		C. L. Burton	11 71
		New Eng. Tel. & Tel. Co... ..	1 52
		F. G. Morey & Co.	3 60
Mar.	1,	Pay Roll	92 00
		New Eng. Tel. & Tel. Co....	1 71
April	5,	Pay Roll	89 00
		New Eng. Tel. & Tel. Co. ..	1 36
April	19,	Pay Roll	22 00
May	3,	Pay Roll	112 00
		E. N. Bartlett	8 00
		Josiah Wright	5 00
		Lull & Hartford	1 80
		F. G. Morey & Co.	2 40
		New Eng. Tel. & Tel. Co. ..	2 97
		Fottler, Fiske, Rawson Co. ..	4 12
May	17,	Pay Roll	31 00
		T. G. Messer	13 00
May	31,	Pay Roll	186 00
		New Eng. Tel. & Tel. Co. ...	1 32
June	21,	Bartlett & Dow	1 00
		George B. Wright	3 75
		Allen McDonald	10 00
		New Eng. Tel. & Tel. Co. ..	1 32
July	6,	Pay Roll	101 00
		E. A. King	5 40
		Allen McDonald	12 00
		New Eng. Tel. & Tel. Co. ..	1 42
Aug.	2,	Pay Roll	128 00
		Allen McDonald	20 00
		John A. Richardson	16 88

	Boston & Maine Railroad ..	1 00
	Lull & Hartford	5 07
	John R. Comley	35 00
	New Eng. Tel. & Tel. Co. ..	1 67
Sept. 6,	Pay Roll	197 00
	E. A. King	3 65
	Swift's Lowell Fertilizer Co...	7 80
	F. G. Morey & Co.	3 95
	Fottler, Fiske, Rawson Co. ..	8 30
	Thompson Hardware Co. ..	5 00
Sept. 20,	Elmer Winship	22 00
	William Lyons	10 50
Oct. 4,	Pay Roll	111 00
	Courier Citizen Co.	2 58
	New Eng. Tel. & Tel. Co. ..	1 27
	W. H. King	15 00
	Thompson Hardware Co. ..	2 50
Oct. 18,	Pay Roll	19 00
Nov. 1,	Pay Roll	130 00
	Thompson Hardware Co.	1 04
	New Eng. Tel. & Tel. Co. ..	1 42
Nov. 15,	Pay Roll	30 00
	Edward Spaulding	1 89
Dec. 6,	Pay Roll	145 00
	Park & Pollard Co.	3 20
	American Express Co.	25
	John A. Richardson	3 36
	C. L. Burton	13 29
	New Eng. Tel. & Tel. Co. ..	1 82
Dec. 20,	Pay Roll	35 00
	John E. Bull	9 93
	J. A. Ruth	10 00
	John A. Richardson	2 80
	Dana Spiller	2 08
	Thomas McElligott	8 40
Total	.....	\$1,839 20

INCIDENTALS

Appropriation	\$1,000 00	
Balance, December 31, 1914	378 51	
Receipts	100 44	
		<hr/>
		\$1,478 95
Expended		1,187 00
		<hr/>
Balance, December 31, 1915		\$291 95

Expenditures

1915		
Jan. 18,	A. F. French & Co.	\$5 00
	M. A. Buck, M.D.	7 00
	Burroughs Adding Mach. Co.	1 00
	John J. Ritchie	23 50
Feb. 1,	E. F. Hathaway	75
	Dr. D. T. Buzzell	25
	E. A. Corner & Co.	15 50
Mar. 1,	B. O. Sanford	7 52
	T. Frank Lyons	17 22
	G. C. Prince & Son	25
	R. E. Manning	24 00
April 5,	Billerica Printing Co.	20 00
	Courier-Citizen Co.	2 00
	Courier-Citizen Co.	7 50
	P. B. Murphy	4 70
April 19,	Mrs. M. H. Hubbard	2 50
	Neil R. Mahoney	2 00
	H. A. King	34 70

		Benjamin Thayer	12 50
May	3,	G. C. Prince & Son	1 50
		G. C. Prince & Son	5 00
		G. C. Prince & Son	2 15
		T. Frank Lyons	6 14
		T. Frank Lyons	2 00
		T. Frank Lyons	10 62
		American Writing Mach. Co.	8 00
		Middlesex Registry of Deeds	65
May	17,	Billerica Republican Club...	4 00
		W. B. Wheeler	35 22
June	21,	G. C. Prince & Son	4 75
		McSweeney's Express	2 40
		Bartlett & Dow	50
		Bartlett & Dow	23
		Lyman B. Brooks Co.	48 00
June	21,	Hobbs & Warren	1 06
		Boston Herald	6 30
		Harry C. Kittredge	50
		F. G. Morey & Co.	1 00
July	6,	E. S. Bull	1 00
		Mrs. M. H. Hubbard	2 00
		E. A. Corner & Co.	29 25
		Middlesex Registry of Deeds	1 06
Aug.	2,	T. Frank Lyons	12 81
		Billerica Printing Co.	6 00
		Billerica Printing Co.	7 25
		Billerica Printing Co.	4 50
		Courier-Citizen Co.	11 50
		Commonwealth of Mass.	1 50
		District Police	5 00
Sept.	6,	American Express Co.	32
		American Express Co.	23
		American Express Co.	21
		Hobbs & Warren	7 85
		Billerica Printing Co.	18 00

		T. Frank Lyons	69 34
		Lyman B. Brooks Co.	55 00
		American Writing Mach. Co.	8 00
		Mrs. Jennie Barker	2 50
Oct.	4,	Courier-Citizen Co.	106 15
Oct.	18,	Dr. G. L. Van Deursen	25
		Hobbs & Warren	38
		T. Frank Lyons	11 00
		John Marinel	140 00
		Courier-Citizen Co.	35 50
Nov.	1,	Southborough Print Shop ..	2 35
		Boston & Maine Railroad ..	16 06
Nov.	15,	Courier-Citizen Co.	10 00
Dec.	6,	T. G. Messer	7 50
		L. A. Peavey	9 38
		Josiah Wright	136 58
		E. S. Bull	48 34
		Thompson Hardware Co. ...	4 00
Dec.	20,	M. A. Buck, M.D.	5 50
		Josiah Wright	1 34
		Pay Roll	17 00
		Lowell Sun	2 25
		John McDermott	1 50
		T. Frank Lyons	8 18
		P. B. Murphy	1 40
		John E. Bull	8 27
		American Writing Mach. Co.	8 00
		Bartlett & Dow	1 00
		John J. Ritchie	26 50
		Josiah Wright	6 80
Total			\$1,187 00

MAINTENANCE OF PUBLIC BUILDINGS

Appropriation	\$1,500 00	
Balance, December 31, 1914	345 93	
Receipts	174 18	
		<hr/>
		\$2,020 11
Expended		907 19
		<hr/>
Balance, December 31, 1915		\$1,112 92

Expenditures

1915		
Jan.	18, Lowell Electric Light Corp...	\$7 92
	F. G. Morey & Co.	95
	C. L. Burton	2 00
	New Eng. Tel. & Tel. Co. ..	3 37
Feb.	1, E. A. King	19 66
	Clarence Barrett	12 00
Feb.	15, J. A. Sansom	4 40
	Lowell Electric Light Corp...	13 23
	Clarence Barrett	12 00
Mar.	1, New Eng. Tel. & Tel. Co. ..	3 32
	Water Department	12 00
	E. Cole Co.	23 25
	Clarence Barrett	6 00
April	5, Lowell Electric Light Corp...	15 03
	Elmer E. Cole Co.	23 37

	Clarence Barrett	10 00
April 12,	G. W. Conant and C. H. May Co.	42 90
	E. A. King	67 13
April 19,	George Blackadar	4 00
	E. A. King	51 70
May 3,	Lowell Electric Light Corp...	9 90
	New Eng. Tel. & Tel. Co. ..	6 76
	Thomas Lydon	37 74
May 17,	Oscar Fellows	2 50
	T. G. Messer	23 25
May 31,	Lowell Electric Light Corp...	11 93
	New Eng. Tel. & Tel. Co. ..	2 90
	C. H. Hill, Jr.	1 25
	Water Department	12 36
June 21,	John E. Bull	27 80
	Lowell Electric Light Corp...	7 74
July 6,	H. D. Livingston	8 00
Aug. 2,	New Eng. Tel. & Tel. Co. ..	5 26
	Lowell Electric Light Corp...	6 57
	E. A. King	14 51
	West Disinfectant Co.	8 75
Sept. 6,	Thomas Lydon	40 28
	Lowell Electric Light Corp...	3 78
	H. D. Livingston	4 35
	New Eng. Tel. & Tel. Co. ..	2 69
Sept. 20,	John A. Richardson	38
	C. L. Burton	4 15
	Talbot Mills	1 50
	New Eng. Tel. & Tel. Co. ..	4 20
	Lowell Electric Light Corp...	5 58
Oct. 4,	C. B. Coburn Co.	2 50
	Lowell Electric Light Corp...	7 00
	H. D. Livingston	10 60
	Clarence Barrett	12 00
Oct. 18,	F. G. Morey & Co.	155 29
	New Eng. Tel. & Tel. Co. ..	7 05

	Lowell Electric Light Corp...	12 02
Nov. 1,	J. H. Downing	10 50
	New Eng. Tel. & Tel. Co. ..	3 97
Nov. 15,	Lowell Electric Light Corp...	10 35
Dec. 20,	E. A. King	10 00
	John E. Bull	18 58
	J. Edwin Lyle	30 00
	C. L. Burton	1 25
	Harry C. Kittredge	25
	D. J. Dewire	15 50
	Lowell Electric Light Corp...	11 97
Total		<hr/> \$907 19

TREE WARDEN'S REPORT

To the Honorable Board of Selectmen: ..

Gentlemen:—I herewith submit the following report for the year ending December 31, 1915:

Appropriation	\$200 00
Balance, December 31, 1914	6 68
Receipts from Private Work for 1915 ..	23 37
	<hr/>
Total	\$230 05
	<hr/>
Expended	225 16
	<hr/>
Balance, December 31, 1915	\$4 89

Expenditures

J. W. Bostwick, Warden	\$75 00	
F. L. Winship, labor	2 25	
F. Mahoney, labor	55 13	
W. Doyle, labor	46 13	
J. O'Brien, labor	2 00	
Joseph O'Brien, labor	4 50	
	<hr/>	\$185 01
E. A. King, supplies	\$2 65	
T. F. Lyons, printing	4 00	
T. Messer, use of team	1 00	
W. Lester, filing saws	1 50	
Courier-Citizen Co. advertising	1 00	
J. W. Bostwick, horse hire	30 00	
	<hr/>	\$40 15
		\$225 16

Respectfully submitted,
JOHN W. BOSTWICK,
Tree Warden.

MOTH SUPERINTENDENT'S REPORT

TO THE HONORABLE BOARD OF SELECTMEN.

Gentlemen:—I herewith submit the following report for the year ending December 31, 1915:

ELM LEAF BEETLE WORK

Appropriation	\$200 00
Balance, December 31, 1914	231 55
	<hr/>
Total	\$431 55
Expended	461 63
	<hr/>
Balance, December 31, 1915	\$14 92

Expenditures

J. W. Bostwick, labor	\$67 50
F. L. Winship, labor	60 75
F. V. Mahoney, labor	57 38
J. O'Brien, labor	53 00
W. D. Doyle, labor	51 00
E. Doyle, labor	54 00
J. Trainer, labor	16 00
	<hr/>
	\$359 63
D. J. Dewire, horse hire	\$24 00
J. W. Bostwick, horse hire	33 00
	<hr/>
	57 00
	<hr/>
Total	\$416 63

MOTH WORK.

Expenditures

Under W. H. O'Brien, Jan. 1 to May 1, 1915:

W. H. O'Brien, Superintendent	\$300 63	
F. L. Winship, labor	240 20	
F. J. Dolan, labor	135 01	
J. F. Reardon, labor	218 26	
F. V. Mahoney, labor	241 32	
J. O'Brien, labor	216 50	
W. D. Doyle, labor	92 50	
E. Doyle, labor	142 00	
	<hr/>	\$1,586 42
W. H. O'Brien, horse hire		81 00
American Express Co.	97	
Boston & Maine Railroad, freight	2 59	
Southborough Print Shop, printing	3 35	
	<hr/>	6 91

Under John W. Bostwick, May 1 to Dec. 31, 1915:

J. W. Bostwick, Superintendent	\$347 50	
F. L. Winship, labor	114 75	
F. V. Mahoney, labor	190 16	
W. D. Doyle, labor	197 13	
J. O'Brien, labor	52 00	
E. Doyle, labor	49 00	
J. Trainor, labor	25 00	
Jos. O'Brien, labor	8 00	
George Bostwick, labor	4 00	
Seth Taylor, labor	31 00	
	<hr/>	1,018 54
J. W. Bostwick, horse hire	\$96 00	
D. J. Dewire, horse hire	49 50	
	<hr/>	145 50
N. R. Mahoney, stationery	\$7 02	
Geo. Hutchins, supplies	9 00	
Boston & Maine, freight	1 65	
J. E. Bull, supplies	3 00	

N. F. Smith, gasoline	12 75	
Talbot Mills, repairs	1 20	
American Express Co.	1 38	
E. A. King, supplies	1 30	
Courier-Citizen Co., advertising	2 00	
		<hr/>
		39 30
		<hr/>
Total		\$2,877 67
Private work, \$434.91.		

Recommendation

I would recommend that \$600 be appropriated for the purchase of a new sprayer. The present sprayer has been in use for seven years and is now obsolete. Repairs necessary at the present time would necessitate the expenditure of a sum approximately equal to the cost of a new machine. With a new, up-to-date sprayer it is estimated that at least \$135 per year could be saved. The Department of the State Forester has recommended that a new sprayer be purchased and have agreed to allot \$600 for this purpose if the town appropriates a like amount.

Respectfully submitted,

JOHN W. BOSTWICK,

Supt. of Moth Extermination.

ELECTION OFFICERS

1915

Jan.	18,	James Bradley	\$10 00
April	5,	J. A. Higgins	5 00
		C. J. Nugent	5 00
		C. A. Wright	5 00
		A. H. Richardson	5 00
		J. F. Reardon	5 00
April	15,	F. L. Day	5 00
		D. J. Mahoney	10 00
		G. C. Chambers	5 00
May	31,	G. M. Richardson	5 00
		James Bradley	5 00
Oct.	4,	P. B. Dolan	5 00
		T. J. McCarthy	5 00
		A. H. Richardson	5 00
		F. E. Walker	5 00
		C. E. Scott	5 00
		C. H. Bailey	5 00
		G. C. Chambers	5 00
Oct.	18,	D. J. Mahoney	10 00
Nov.	15,	J. F. Reardon	5 00
		F. E. Walker	5 00
		T. J. McCarthy	5 00
		P. B. Dolan	5 00

	Daniel Fitzpatrick	10 00
	F. L. Day	10 00
	C. A. Wright	20 00
	A. H. Richardson	5 00
	E. T. Riley	10 00
	D. J. Mahoney	10 00
Dec. 6,	G. C. Chambers	5 00
	C. H. Bailey	5 00
	E. S. Bull	10 00
	D. F. Reardon	5 00
Dec. 20,	J. J. Bostwick	2 00
	G. M. Richardson	10 00
	M. H. McElligott	10 00

 \$242 00

FIRE DEPARTMENT REPORT

FIRE ALARM

- 12—Covering the Centre Village.
- 13—Cole's Mill to Pollard Rock.
- 14—Vicinity B. O. Sanford's.
- 15—Vicinity Jacquith's Cor. and Nutting's Pond.
- 16—Vicinity Mason's Corner.
- 17—Vicinity Pond St. and Salem Road.
- 21—Covering the North Village.
- 23—Vicinity B. W. Kearney's.
- 24—Vicinity Town Farm.
- 25—Vicinity Berwick.
- 26—Vicinity Carlisle Road and Manning Manse.
- 31—Vicinity Riverdale.
- 32—Vicinity Pinehurst.
- 41—So. Billerica.
- 51—West Billerica.
- 61—East Billerica.
- 321—Boston & Maine Car Shops (Private).

INSTRUCTIONS FOR GIVING ALARMS.

In case of Fire, call Central Telephone Office, give operator distinctly the location, kind of fire, whether Buildings, Brush or Grass.

Never send in an alarm for fire seen from a distance, and be reasonably sure there is a fire before sending in an alarm.

Alarms will be given by Four rounds of the Box number.

The All Out Signal will be given by Two blasts of the Whistle, with an interval of Ten seconds, as 1—1.

Three blasts followed by the Box number indicates a brush or grass fire.

Six blasts, this—II—II—II four rounds No School signal.

Four blasts repeated Four rounds calls Engine Co. No. 1 to quarters.

Five blasts repeated Four rounds calls Hose No. 2 to quarters.

Two blasts of the Whistle will be given during the day as a test at 8.30 P. M.

E. N. BARTLETT,
Chief, Tel. 22-2.

W. B. CHAMBERS,
Asst. Chief, Tel. 14-2

CHARLES A. WRIGHT,
Asst. Chief, Tel. 87-3.

The Board of Engineers submit the following report:

Total number of alarms for year ending Dec. 31, 1915.....	103
Regular alarms	88
Still alarms	13
False alarms	2

Sixty-seven of these alarms were for Brush or Grass fires.

Thirty-six were for Buildings and etc.

Total value of property at risk, (excluding brush or grass fires)	\$789,455 10
Total damage to same	18,500 50

CREDITS

Appropriation	\$3,000 00
Unexpended balance 1914	429 46
Received use of telephone	12 19
Other credits	5 22
Total funds available	\$3,446 87
Total amount expended	3,443 45
Balance unexpended	\$3 42

EXPENDITURES

Pay Roll, Engine Co., No. 1, salaries . . .	\$820 00
Pay Roll, Hose Co., No. 2, salaries	720 00
N. E. Tel. & Tel. Co., Fire Dept. 'Phones. . .	84 60
Lowell Elec. Light Corp., Lights in Fire Stations	29 21
C. L. Burton, repairs	1 40
Boston Cash Store, supplies	99
Thomas Lydon, repairs	11 00
E. Barker, care of fires in stations	12 00
Geo. E. Hutchins, supplies	3 50
Pay Roll, Hose No. 2, extra men	10 00
F. G. Morey & Co., coal, Hose No. 2	7 48
Middlesex Machine Co., supplies	2 25
F. G. Morey & Co., coal	7 41
Boston Coupling Co., 500 ft. new hose. .	290 00
Boston Coupling Co., repairs	2 51
E. N. Bartlett, use of horses	26 00
C. A. Wright, use of horses	14 00
J. A. Richardson, lumber	48
C. A. Wright, supplies	53
American Express Co., express	23
C. A. Wright, use of horses	6 00
E. N. Bartlett, use of horses	24 00
Donavan Harness Co., supplies	1 40
Boston Cash Store, supplies	95
Talbot Dyewood & Chem. Co., supplies . .	2 52
Badger Fire Extinguisher Co., repairs . .	12 99
E. A. Barker, care of fires, Hose No. 2. .	24 00
Billerica Shoe Fix, supplies	1 75
Chester A. Wright, repairs	2 00
C. B. Couburn Co., supplies	1 15
E. A. King, supplies	4 96
Pay Roll, Hose No. 2, extra men	36 50
Pay Roll, Hose No. 2, extra duty	7 00
Pay Roll, Hose No. 2, extra men	21 50
Pay Roll, Engine No. 1, extra men	27 00

A. C. Perham, Forest Warden, Town of Chelmsford, services	3 64
Frank Alexander, services	3 00
McSweeneys Express, use of horses	3 25
Talbot Dyewood & Chem. Co., supplies..	2 52
Donavon Harness Co., supplies	1 25
E. N. Bartlett, use of horses	18 00
Pay Roll, Engine No. 1, extra duty	5 50
Pay Roll, Hose No. 2, extra men	40 25
Town of Wilmington Fire Dept., services	54 10
Boston Cash Store, supplies	1 17
Talbot Dyewood & Chem. Co., supplies..	12 96
E. N. Bartlett, use of horses	37 00
C. A. Wright, use of horses	46 00
D. J. Dewire, use of horses	66 00
The Livingston Co., use of auto truck..	5 00
E. N. Bartlett, salary as engineer	50 00
C. A. Wright, salary as engineer	50 00
W. B. Chambers, salary as engineer	50 00
Pay Roll, Hose No. 2, extra men	36 25
Talbot Dyewood & Chem. Co., supplies ..	3 60
Billerica Printing Co., supplies	8 25
C. G. Braxmar Co., supplies	1 00
E. N. Bartlett, use of horses	10 00
C. A. Wright, use of horses	28 00
F. A. Casey Co., use of auto	43 50
E. N. Bartlett, balance of salary	50 00
W. B. Chambers, balance of salary	50 00
C. A. Wright, balance of salary	50 00
C. A. Wright, use of horses	16 00
F. A. Casey Co., use of auto	2 25
J. A. Richardson, lumber	2 15
F. A. Casey Co., use of auto	2 25
Billerica Printing Co., supplies	7 00
E. N. Bartlett, use of horses	14 00
Billerica Printing Co., fire alarm cards ...	6 00
Frank Risdon, services	1 75

American Express Co., express	22	
Boston Cash Store, supplies	2	27
E. A. Wilson Co., coal for steamer	7	15
Standard Extinguisher Co., supplies	4	86
Billerica Shoe Fix, repairs	2	50
Donavon Harness Co., repairs	1	25
Talbot Dyewood & Chem. Co., supplies..	4	18
C. B. Coburn Co., supplies	1	06
P. B. Dolan, supplies	2	17
H. G. Watts Co., supplies	4	79
H. G. Bohonon, repairs	7	25
F. A. Casey Co., use of auto	3	75
C. L. Page, use of horse	2	50
D. F. Reardon, testing hydrant		50
Boston & Maine R. R., freight		51
American Express, express		31
C. A. Wright, use of horses	2	50
Boston & Maine R. R., labor and material		
on fire whistle	246	74
Gamewell Fire Alarm Tel. Co., 2 miles F.		
A. Wire	150	00
		<hr/> \$3,443 45

LIST OF FIRES

- Jan. 2. Alarm 3 a. m. House owned by W. J. Canning. Cause, over heated stove. Damage \$4,800.00. Hose No. 2 responded.
- Jan. 10. Alarm 9.30 a. m. House owned by the Unitarian Church. Cause, spark from chimney. Damage \$5.00. Hose No. 2 responded.
- Jan. 10. Alarm 10.45 p. m. House owned by Talbot Mills. Cause, defective chimney. Damage, \$35. Engine No. 1 responded.

- Jan. 15. Alarm 10.35 p. m. Automobile in barn owned by Edward Harrington. Cause, unknown. Damage, \$75.00. Engine No. 1 responded.
- Jan. 21. Alarm 1.35 a. m. Barn owned by Heirs of Owen Murningham. Cause, unknown. Damage \$1,725.00. Engine No. 1 responded.
- Feb. 2. Alarm 12.20 p. m. Chimney fire in house occupied by J. W. Dignon. No damage. Hose No. 2 responded.
- March 3. Alarm 9.50 a. m. Brush land owned by heirs of D. Gage. Cause, spark from locomotive. Damage slight. Hose No. 2 responded.
- March 4. Alarm 1.40 p. m. Grass land owner unknown, no damage. Cause, probably careless smoking. Engine No. 1 responded.
- March 4. Alarm 2.20 p. m. Grass land owned by O. O'Toole. Cause, unknown. No damage. Engine No. 1 responded.
- March 4. Alarm 7.10 p. m. Grass land owned by H. Hutchins. Cause, spark from locomotive, no damage. Hose No. 2 responded.
- March 5. Still alarm 2.15 p. m. Brush land owned by J. Jaquith estate. Cause, probably careless smoking, do damage. Chief and one man responded.
- March 6. Alarm 12.55 p. m. Grass land owned by J. Barnes estate. Cause, spark from locomotive, damage slight. Hose No. 2 responded.
- March 9. Alarm 1.50 p. m. Brush land of Manning Manse. Cause burning brush, damage slight. Engine No. 1 responded.
- March 9. Still alarm 2.20 p. m. Grass land owned by M. C. Mitchell estate. Cause, careless smoking, no damage. Hose No. 2 responded.

- March 9. Alarm 2.55 p. m. Grass land of Elmer Bartlett, near High Street. Cause, unknown, no damage. Engine No. 1 responded.
- March 10. Alarm 5.55 p. m. Grass land of A. Paris. Cause, burning rubbish, no damage. Hose No. 2 responded.
- March 11. Alarm 9.40 a. m. Grass land owned by H. Hutchins, J. Bradley and M. Farmer. Cause, spark from locomotive. This fire assumed serious proportions and 500 feet of hose was used to protect buildings. Hose No. 2 responded.
- March 11. Still alarm 1.50 p. m. Grass land of Jaquith estate, probably caused by cigar stub thrown from electric car, no damage. Chief and two men responded.
- March 13. Still alarm 1.50 p. m. Brush land of Delehanty. Cause, unknown, no damage. Chief and two men responded.
- March 14. Alarm 12.55 p. m. Grass land of Moran, no damage. Cause, cigar stub. Hose No. 2 responded.
- March 14. Alarm 5.30 p. m. Brush land of Joel Baldwin. Cause unknown, no damage. Hose No. 2 responded.
- March 15. Alarm 1.45 p. m. Brush land of D. Rogers, West Billerica. Cause, burning brush (under permit) damage estimated \$50.00. Hose No. 2 responded.
- March 17. Alarm 6.45 a. m. Chimney fire in house owned by E. A. Mace, no damage. Hose No. 2 responded.
- March 18. Alarm 5.45 p. m. Brush land of Dr. Tuttle. Cause unknown, damage slight. Hose No. 2 responded.
- March 19. Alarm 4.55 p. m. Grass land of H. Hill. Cause unknown, damage slight. Hose No. 2 responded.
- March 21. Alarm 11.40 a. m. Grass land of Litchfield estate. Cause burning rubbish, no damage. Hose No. 2 responded.

- March 21. Still alarm 10.50 p. m. Brush on Highway corner Lexington Road and Boston Road. Cause tramps, no damage. Chief and Police officer responded.
- March 22. Still alarm 4.10 p. m. Grass land of Costello, East Billerica. Cause unknown, no damage. Chief and one man responded.
- March 24. Brush land of T. Falkon estate. Cause, burning brush, no damage. Engine No. 1 responded.
- March 24. Alarms at 3.30—4.45—4.50 p. m. House and barn and 75 acres of woodland on the Joel Baldwin place. Caused by a grass fire of unknown origin, damage \$3,900.00. Hose No. 2 and Engine No. 1 with extra men responded.
- March 24. Alarm 12.15 p. m. Grass land of T. McElligott, So. Billerica. Cause, spark from locomotive, no damage. Hose No. 2 responded.
- March 25. Alarm 2.30 p. m. Brush land of Jaquith estate (near subway). Cause, probably cigar thrown from electric car, no damage. Hose No. 2 responded.
- March 26. Alarm 4.15 a. m. Camp, owner unknown, loss unknown. Engine No. 1 responded.
- March 27. Alarm 9.30 a. m. House owned by Alonzo H. Sanborn. Cause, spark from chimney, damage \$10.00. Hose No. 2 responded.
- March 31. Alarm 2.15 p. m. Brush land of Colson. Cause, unknown, damage slight. Engine No. 1 responded.
- April 3. Alarm 12.30 p. m. Brush land of Talbot estate. Cause, careless smoking, no damage. Engine No. 1 responded.
- April 8. Alarm 2 p. m. Brush land of Dr. Tuttle. Cause, burning brush, no damage. Hose No. 2 responded.

- April 8. Alarm 5 p. m. Grass land of B. W. Kearney. Cause, careless smoking, no damage. Engine No. 1 responded.
- April 9. Alarm 2 p. m. Grass land of Shay Place. Cause, unknown, no damage. Engine No. 1 responded.
- April 9. Alarm 6 p. m. Auto truck owned by I. E. Watton. Cause, by backfiring, damage \$312.50. Hose No. 2 responded.
- April 9. Alarm 9 p. m. Grass land of Colson. Cause, unknown, no damage. Engine No. 1 responded.
- April 10. Alarm 3.40 a. m. School House (Pinehurst Dist.) owned by Town of Billerica. Cause, unknown, damage \$200.00. Hose No. 2 responded.
- April 10. Alarm 6 p. m. Chimney fire, house owned by Benoit estate, no damage, Hose No. 2 responded.
- April 12. Alarm 10.15 p. m. Chimney fire, house owned by Geo. M. Carr, damage slight. Hose No. 2 responded.
- April 12. Alarm 4.15 p. m. Brush land of D. O'Keefe. Cause, spark from locomotive, damage slight. Hose No. 2 responded.
- April 13. Alarm 12.15 p. m. Brush (Pinehurst Dist.) owner unknown, no damage. Hose No. 2 responded.
- April 13. Alarm 8.10 p. m. Auto truck owned by D. Pierce. Cause, backfiring, damage \$250.00. Hose No. 2 responded.
- April 16. Alarm 12.25 a. m. Automobile owned by E. F. Twombly. Cause, backfiring, damage \$450.00. Hose No. 2 responded.
- April 16. Alarm 4.30 p. m. Sheds of North Billerica Baptist Church. Cause, boys playing with matches, no damage. Engine No. 1 responded.

- April 17. Alarm 12.25 p. m. Brush (Pinedale). Cause, unknown. Hose No. 2 responded.
- April 17. Still alarm 1.30 p. m. Brush land of S. J. Cook. Cause, probably campers. Chief and six men responded.
- April 18. Alarm 3 p. m. Brush land of E. P. Sellew. Cause, probably campers, 20 acres damage est. \$200.00. Hose No. 2 responded.
- April 18. Alarm 5.30 p. m. Brush land of James Hill. Cause unknown, no damage. Hose No. 2 responded.
- April 19. Alarm 10.45 a. m. Brush fire near Duren place. Cause, unknown. Hose No. 2 responded.
- April 20. Alarm 12.45 p. m. Brush land of Delehanty. Cause, burning brush. Engine No. 1 responded.
- April 21. Alarm 12.30 p. m. Brush fire near Duren place. Cause, spark from fire of April 19. Engine No. 1 responded.
- April 22. Alarm 2.30 p. m. Brush land of I. Hopkins. Cause, spark from locomotive. This fire, owing to a high wind, burned into the Town of Tewksbury and covered 150 acres before the combined efforts of this department and the Tewksbury department could control it, damage \$4,040.00.
- April 24. Alarm 2.10 p. m. Grass land of Geo. H. Hill. (Hillcrest). Cause, burning brush (permit), no damage. Engine No. 1 responded.
- April 24. Alarm 11.30 p. m. Dump fire, Bennett Hall, no damage. Hose No. 2 responded.
- April 25. Alarm 1.50 p. m. (Pinehurst District). Grass fire, no damage. Hose No. 2 responded.
- April 27. Alarm 9.15 p. m. Brush land of Joel Baldwin place, damage slight. Hose No. 2 responded.

May 6. Alarm 9.05 a. m. Grass land of Dr. Grady, no damage. Hose No. 2 responded.

May 7. Alarm 10 a. m. Brush fire at Riverdale. Cause, unknown, no damage. Hose No. 2 responded.

May 27. Still alarm 11.20 a. m. Chimney fire, house owned by W. T. Patten, no damage. Chief and one man responded.

May 28. Alarm 1.50 p. m. Brush land of Joel Baldwin and Frank Alexander. Cause, children playing with matches. This fire assumed serious proportions and a general alarm was sounded, both companies responded with all extra men available, also the Wilmington Fire Department was called on and responded, giving good service, 300 acres was burned over.

May. 30. Alarm 7.35 p. m. Brush land at Central Park. Cause, unknown, damage slight. Hose No. 2 responded.

May 31. Alarm 4.35 p. m. Brush fire Riverdale (false alarm). Hose No. 2 responded.

May 31. Alarm 1.40 p. m. Brush, Central Park. Cause, spark from fire of May 30. Hose No. 2 responded.

May 30. Alarm 6.45 p. m. Brush, McGlones Woods. Cause, probably campers. Engine No. 1 responded.

May 31. Alarm 1.30 p. m. Brush, McGlones Woods. Cause, spark from fire of May 30, no damage. Engine No. 1 responded.

May 31. Alarm 4.30 p. m. Brush (Pinedale), owner unknown, no damage. Hose No. 2 responded.

June 2. Alarm 10.55 a. m. Brush (Riverdale), owner unknown, no damage. Hose No. 2 responded.

June 2. Alarm 11 a. m. Brush, Baldwin lot. Cause, spark from fire of May 28, no damage. Hose responded.

- June 4. Alarm 5.10 p. m. Brush land of B. & M. R. R.
Cause, unknown, no damage. Hose No. 2 responded
- June 5. Alarm 12.15 p. m. Grass land of E. F. Dickenson.
Cause, spark from locomotive, no damage. Hose No. 2 responded.
- June 18. Alarm 11.05 a. m. Auto truck owned by Walter Cressey (Oil Tank). Cause, unknown. Damage, \$2,100.
Hose No. 2 responded.
- June 22. Alarm 12.10 p. m. Brush, near Chemical Works.
No damage. Engine No. 1 responded.
- June 28. Alarm 9.55 a. m. Dump fire near Y. W. C. A. Camp.
No damage. Hose No. 2 responded.
- June 29 Alarm 12.05 p. m. Grass land of Woodside. Cause,
spark from locomotive, damage slight. Hose No. 2 responded.
- June 29. Alarm 2.45 p. m. Brush, land of Dolan and others.
Cause, spark from locomotive. Hose No. 2 responded.
- July 5. Alarm 12.45 a. m. Stable owned by Davis Ice Co.
at Nuttings Pond. Cause, unknown. Damage \$350.
Hose No. 2 responded with Steamer.
- July 8. Alarm 11.25 a. m. House owned by Otto Davis estate.
Cause unknown. Damage \$200. Engine No. 1 responded.
- July 11. Still Alarm. Store occupied by P. B. Dolan at Nuttings Pond. 6 a. m. Cause, by robbers, damage slight.
Chief and one man responded.
- July 11. Alarm 2.10 p. m. Grass near Long place. Cause,
careless smoking. No damage. Hose No. 2 responded.

- July 27. Still Alarm 6.45 p. m. Automobile owned by Rice, Concord, N. H. Cause, leak in gas tank, damage slight. Chief and two men responded.
- Aug. 9. Still alarm 3.30 p. m. Telephone pole. Cause, lightning. Chief only responded.
- Aug. 18. Alarm 3.15 a. m. School owned by M. C. Mitchell estate. Cause, unknown. Damage estimated \$50. Both companies were ordered out, but were recalled before leaving quarters.
- Aug. 23. Alarm 3.45 p. m. Town dump. Cause, boys. Hose No. 2 responded.
- Aug. 26. Alarm 11.45 p. m. Camp owned by Janet Nelson. Cause, unknown. Damage \$620. Hose No. 2 responded.
- Sept. 12. Alarm 1.15 p. m. (false). Talbot Chemical Works. Engine No. 1 responded.
- Sept. 22. Alarm 9.15 a. m. Chimney fire, house owned by Mrs. P. J. Bailey. No damage. Hose No. 2 responded.
- Sept. 22. Alarm 5.25 p. m. Camp owned by Mrs. Addie E. Slocomb. Cause, unknown. Damage \$1,400. Hose No. 2 responded.
- Sept. 26. Still alarm 8.35 p. m. Tree. Cause, electric wires. Assistant Chief Wright and two men responded. 500 ft. hose laid to protect buildings.
- Oct. 22. Alarm 8.45 a. m. House owned by Falson heirs. Cause, defective flue. Damage \$721. Engine No. 1 responded.
- Oct. 26. Alarm 12.50 p. m. Brush land owned by Shuman. Cause, spark from locomotive. No damage. Hose No. 2 responded.

- Nov. 3. Alarm 4.35 p. m. Shoefix. Cause, overheated furnace. Damage \$25. Hose No. 2 responded.
- Nov. 10. Alarm 2.50 p. m. Brush, land owned by E. Hill estate. Cause, spark from locomotive. Damage slight. Hose No. 2 responded.
- Nov. 10. Alarm 7.30 p. m. House owned by trustees of Howe School. Cause, overturned lamp. Damage \$47. Hose No. 2 responded.
- Nov. 13. Alarm 1.45 p. m. Grass, near Billerica Avenue, no damage. Engine No. 1 responded.
- Nov. 14. Alarm 9.15 p. m. House owned by F. W. Crosby. Cause unknown. Damage \$1,500. Hose No. 2 responded.
- Dec. 22. Alarm 12.45 p. m. Chimney fire, house owned by Dugan, no damage. Hose No. 2 responded.
- Dec. 26. Still alarm 6.05 p. m. Chimney fire, house owned by Percy Beard, no damage. Chief and one man responded.

E. N. BARTLETT,
W. B. CHAMBERS,
CHARLES A. WRIGHT,
Board of Engineers.

POLICE REPORT

TO THE HONORABLE BOARD OF SELECTMEN.

BILLERICA, MASS.

Gentlemen: We herewith submit our annual report for the year ending December 31, 1915.

There have been 41 arrests for the following causes:

Assault	8
Bastardy	2
Drunkenness	14
Fornication	2
Insane	1
Larceny	5
Suspicious persons	3
For out-of-town officers	5
Unlawfully setting fire	1

DISPOSAL OF CASES

Committed to Lowell Jail	6
Committed to State Hospital	1
Paid fines	9
On file, released, or placed on probation	16
Held for Grand Jury	2
Found not guilty	1
Delivered to out-of-town officers	5
Committed to House of Correction	1

MISCELLANEOUS

Cases investigated without arrest	320
Persons cared for	3
Persons detained	2
Number of dogs killed	12
Value of property stolen	\$325.00
Value of property recovered	\$140.00

Respectfully submitted,

HENRY D. LIVINGSTON,

WILLIAM H. O'BRIEN,

Police Officers.

POLICE

Appropriation	\$1,900 00
Balance, December 31, 1914	631 69
Receipts	228 86
<hr/>	
Total	\$2,760 55
Expended	2,427 35
<hr/>	
Balance, December 31, 1915	\$333 20

Expenditures

1915		
Jan.	18, Roger Barrington	\$70 30
	Lowell Police Dept.	1 50
	George F. Stiles	24 30
	Iver Johnson Sport Goods Co.	17 00
	Depot Coach Co.	4 00
Feb.	1, Roger Barrington	69 75
	Detective Publishing Co.	1 89
	H. D. Livingston	69 75
	F. A. Casey Co.	26 25
Mar.	1, New Eng. Tel. & Tel. Co. ...	2 23
	Roger Barrington	1 05
	Roger Barrington	63 00
	H. D. Livingston	63 00

April	5,	H. D. Livingston	69 75
		Roger Barrington	69 75
		L. A. Derby & Co.	60
		Lowell Police Dept.	50
		T. E. Smith	2 40
		Robert Tivey	3 00
April	12,	New Eng. Tel. & Tel. Co. ...	2 94
May	3,	Roger Barrington	67 50
		New Eng. Tel. & Tel. Co. ...	2 23
		H. D. Livingston	67 50
May	17,	New Eng. Tel. & Tel. Co. ...	5 51
		Iver Johnson Sport Goods Co.	7 00
		Lowell Police Dept.	2 00
May	31,	Frank A. Casey & Co.....	1 00
		Lowell Police Dept.....	1 50
		W. H. O'Brien.....	69 75
		Francis J. Dolan	2 00
		H. D. Livingston	69 75
		New Eng. Tel. & Tel. Co. ..	6 38
June	21,	John W. Bostwick	14 50
		J. J. McSweeney	3 00
		William Doyle	24 00
		Lowell Police Dept.	2 00
July	6,	H. D. Livingston	67 50
		H. D. Livingston	14 00
		W. H. O'Brien	67 50
Aug.	2,	W. D. Doyle	23 25
		W. H. O'Brien	69 75
		W. D. Doyle	2 00
		John Bostwick	10 50
		F. S. Bartlett	10 25
		Police Dept., Lowell	2 00
		Police Dept., Lowell	75
		Norris Millbury	6 50
		Frank A. Casey & Co.	49 50
		T. G. Messer	9 00
		Billerica Printing Co.	3 80

		H. D. Livingston	69 75
		H. D. Livingston	6 00
		Frank A. Casey & Co.	57 75
		New Eng. Tel. & Tel. Co. ..	2 58
		New Eng. Tel. & Tel. Co. ..	2 33
		T. P. Rogers	5 00
Sept.	6,	H. D. Livingston	69 75
		Police Dept., Lowell	3 75
		W. H. O'Brien	69 75
		L. A. Derby & Co.	1 88
		Frank A. Casey & Co.	69 75
		William Doyle	4 50
		New Eng. Tel. & Tel. Co. ..	19 18
Sept.	20,	John W. Bostwick	2 00
		Police Dept., Lowell	50
		William Doyle	4 50
		H. B. Hosmer	9 00
Oct.	4,	L. A. Derby & Co.	40
		F. S. Bartlett	5 00
		New Eng. Tel. & Tel. Co. ..	8 41
		H. D. Livingston	67 50
		H. D. Livingston	32 50
		W. H. O'Brien	67 50
		Frank A. Casey & Co.	35 75
		Allen Auto Co.	28 50
Oct.	18,	Police Dept., Lowell	1 00
		New Eng. Tel. & Tel. Co. ..	40 88
		J. A. Ruth	11 00
		Roger Barrington	79 55
Nov.	1,	H. D. Livingston	69 75
		W. H. O'Brien	69 75
		Allen Auto Co.	9 00
		Frank A. Casey & Co.	12 00
Nov.	15,	Police Dept., Lowell	1 75
		Police Dept., Lowell	75
		L. A. Derby & Co.	60

Dec. 6,	W. H. O'Brien	67 50	
	H. D. Livingston	67 50	
	Daniel Lyons	2 00	
	W. H. O'Brien	5 94	
	Allen Auto Co.	16 50	
	New Eng. Tel. & Tel. Co. ..	2 14	
Dec. 20,	Chas. H. Kemp	16 25	
	H. D. Livingston	9 90	
	New Eng. Tel. & Tel. Co. ..	15 38	
	Frank A. Casey & Co.	15 75	
	M. A. Buck, M.D.	15 00	
	Chester A. Wright	9 00	
			<hr/>
Total	.....		\$2,427 35

HIGHWAY SURVEYOR'S REPORT

TO THE BOARD OF SELECTMEN AND CITIZENS OF THE TOWN OF
BILLERICA:

I submit my report for the year ending Dec. 31, 1915:

GRAVELING, SCRAPING AND PATCHING ROADS

Chelmsford Road, 2,280 feet, 15 feet wide, 6 inches deep.
Mr. Warren Manning gave the gravel for this job.

Main Street, 331 feet.

Allen Road, 168 feet, 18 feet wide, 8 inches deep.

Cook Road, 111 feet, 15 feet wide, 6 inches deep.

Webb Brook Road, 96 feet wide.

River Street, 90 feet.

Wilson Street sidewalk, 210 feet, 6 feet wide, 6 inches deep.

Resurfacing Talbot avenue, 4,404 feet long, 17 feet wide.

Grading with two coats of stone and two coats of Tarvia,
grading the approach Treble Cove Road to the macadam.

Sweeping and cleaning Wilson, Elm and Faulkner Streets,
covering same with Tarvia B, binding same with sand.

Resurfacing Main Street 2,000 feet in length, 17 feet wide,
two layers of stone and two coats of Tarvia.

Resurfacing Concord Road, as far as Riverhurst and the
macadam in the village, using 8,215 gallons of Taxo oil, bind-
ing same with sand.

Patching roads in various places.

Scraping and grading all the roads in Billerica.

Digging up and relaying 48 feet of pipe, Allen Road.

One car of stone dust on sidewalks, North Billerica.

Sixty feet of corrugated pipe, Wyman Road.

One new catch basin, Concord Road.

Thirty-six feet corrugated pipe, drive way Allen Road.

Billerica Avenue, one new catch basin and 30 feet of pipe.

Middlesex turnpike, digging up and relaying one large culvert 40 feet in length.

Concord Road, macadam, 2,500 feet, 18 feet wide, digging out 1 foot of the old road bed, and replacing 1 foot of new gravel, laying in 6 inches of stone the length of the road, binding same with sand, 4 new culverts 40 feet long, removing five trees, not completed.

Corner bridge, 15 new sills, 2 layers of plank, and repairing other bridges.

Respectfully submitted,

HARRY W. ESSEX ,

Highway Surveyor.

MACADAM, CONCORD ROAD

H. W. Essex, surveyor	\$178 50
C. Phillips, engineer	176 25
L. Messer, teamster	100 00
C. Rollins, teamster	40 00
E. Fayton, teamster	100 00
T. Hayes, labor	49 25
F. Lewis, labor	94 00
T. McBride, labor	88 00
J. Bicknell, labor	100. 00
Fred Miller, labor	8 00
C. Burrows, labor	71 75
N. Burrows, labor	72 25
D. Burrows, labor	6 00
H. Clapp, labor	46 75
P. Malloy, labor	64 25
S. Priolunek, labor	10 25
M. White, labor	8 00
J. Bravo, labor	52 00
A. Miller, labor	82 25

A. Skelton, labor	40 00
F. Pasho, labor	20 00
E. Porter, labor	27 00
C. Burnett, labor	10 00
E. Stafford, labor	7 00
G. A. Quimby, labor	8 00
W. Miller, labor	26 00
C. Monty, labor	29 00
Crosby & Flitner, team	90 00
F. Belknap, team	85 00
F. Mason, team	101 50
G. Spaulding, team	72 50
C. D. Tutein, team	82 50
T. Messer, team	70 00
B. Ward, team	77 50
E. McDermott, team	62 50
J. H. Downing, team	77 50
F. Harrington, team	55 00
C. Moulton, team	5 00
J. A. Richardson, pipe	6 40
P. Sutherland, oil	5 50
Winchester Trap Rock	597 50
Boutwell Bros., supplies	8 01
Horne Coal Co.	27 59
New England Culvert Co.	134 10
Frost & Adams	4 84
Buffalo Steam Roller	3 55
Thomas Gray	1 50
Ames Implement & Seed Co.	33 86
C. Proctor	1 40
B. & M. R. R.	368 41
M. English, gravel	36 00
J. J. Smith, gravel	108 00

\$3,650 16

STREET RAILWAY EXCISE TAX

M. W. Essex, surveyor	\$276 15
C. Phillips, engineer	145 25
L. Messer, teamster	126 00
C. Rollins, teamster	114 00
E. Fayton, teamster	116 00
F. Lewis, labor	127 00
T. Hayes, labor	145 00
T. McBride, labor	115 00
J. Bicknell, labor	113 00
C. Walker, labor	204 00
W. Costello, labor	12 00
Fred Miller, labor	36 00
D. Burrows, labor	16 00
J. Hosman, labor	22 00
F. Harrington, team	25 00
F. Julian, labor	1 22
G. Ennion, labor	4 00
J. A. Richardson, lumber	6 94
Mrs. F. Casey	14 40
Joe. McSweeney	1 45
C. Cryan	1 20
E. F. Dickerson, hay	42 38
Donovan Harness Co.	3 00
Roland Wright	1 45
J. Wright	20 50
R. Harmstead	2 10
Talbot Mills	4 80
Coburn Smith	10 20
P. Wadely	7 65
E. P. Sellew	9 90
G. P. Greenwood	5 00
R. Barris	49 80
F. Belknap	27 38
F. G. Morey Co.	228 65
Barrett Mfg. Co.	1,345 50
E. Spaulding	23 34

S. A. Bull	103 92
Winchester Rock Brick Co.	644 44
Bartlett & Dow	2 88
Horne Coal Co.	27 85
T. G. Messer	23 50
C. L. Burton	206 82
B. & M. R. R.	496 96
New England Tel. Co.	7 42
Ames Plow Co.	12 90
E. A. King	11 76
Traffic Sign Co.	9 30
American Express Co.	2 91
Town of Billerica, water	6 00
Dr. Harris	42 00
John Baker	11 68
E. Cawley, pipe	1 50
C. H. Hanson	21 10
J. Nugent	40 00
J. Welch	4 20

\$5,081.41

POND SIDEWALK

E. Stafford, labor	\$12 00
T. Messer, team and labor	16 00
H. Dutton, labor	20 50
W. Miller, labor	31 00
L. Peavey, labor	31 25
N. McDonald, labor	16 50
C. D. Tutein, team	10 75
J. Wright, team and help	85 85
C. A. Wright, team	15 00
G. E. Spaulding, team	15 00

\$253 85

ARTICLE 26

H. W. Essex, surveyor	\$147 00
C. Phillips, engineer	122 50

L. Messer, teamster	84 00
E. Fayton, teamster	84 00
C. Rollins, teamster	84 00
F. Lewis, laborer	71 00
T. Hayes, laborer	68 00
J. McGinnis, laborer	28 00
T. McBride, laborer	65 00
C. Walker, laborer	68 00
W. Costello, laborer	29 00
J. Nugent, laborer	6 00
N. McDonald, laborer	4 00
J. Baker, road oil	410 69
E. Mores, boiler inspector	5 00
Standard Oil Co.	9 62
Winchester Rock Co.	476 85
Buffalo Steam Roller Co.	4 64
F. G. Morey, grain	63 00
Barrett Mfg. Co.	840 00
Boston & Maine R. R.	252 44
Horne Coal Co.	28 12
E. A. King, supplies	7 11
American Express Co.	1 58
Billerica Shoe Fix	35

\$2,959 90

STEARNS BROOK

J. Wright	\$30 00
G. E. Spaulding, labor	24 50

\$54 50

BRIDGES

John A. Richardson, lumber	\$310 47
N. J. Hutchins, labor	12 40
B. G. Hutchins, labor	12 40
A. N. Jones, labor	90 80

\$426 07

SPECIAL APPROPRIATION, MAIN STREET

E. A. & A. T. Smith, 606 1-3 sq. yd. \$200 00

ARTICLE 31

Geo. Sampson, forcite powder	\$26 30
C. W. Shedd, labor	44 00
L. Durent, labor	41 00
J. Downing, labor	134 00
P. Kenelly, labor	17 00
Boston & Maine R. R.	1 00

\$263 30

Gor Jan 17

Under E. F. Twombly, Jan. 1 to March 31, 1915.

SIDEWALKS

Jan. 18, Pay Roll, Dec. 26	\$ 99 00
Pay Roll, Jan. 2	105 00
Pay Roll Jan. 9	114 00
Frank Harrington	20 25
Feb. 15, Frank Harrington	52 50
Mar. 1, Bernard Nugent	10 00
May 3, Frank Harrington	14 75
June 21, J. L. Douglass & Co.	144 25
July 6, McSweeney's Expenses	9 00
Dec. 20, D. J. Dewire	10 50
Pay Roll	41 00

\$631 17

Under H. W. Essex, April 1, 1915.

SIDEWALKS

L. Messer	\$ 2 00
Eddie Fayton	2 00
Fred Miller	12 00
John Bicknell	4 00
C. Walker	16 00

Frank Harrington	5 00	
Geo. Ennion	8 00	
		<hr/>
Total		\$59 92
		<hr/>
		\$691 09

HIGHWAYS

Appropriation	\$5,000 00	
Overdraft, Dec. 31, 1914	431 80	
		<hr/>
		\$4,568 20
Expenditures		4,557 61
		<hr/>
Balance, Dec. 31, 1915		\$10 59

EXPENDITURES

Under E. F. Twombly, Jan. 1 to April 1, 1915.

Mar.	1, Donovan Harness Co.	\$12 75
	Fred Reardon	54 50
	Pay Roll, Dec. 19	127 00
	Pay Roll, Feb. 13	108 25
	Pay Roll, Feb. 20	135 00
	Elmer E. Cole	124 25
	John P. Gannon	24 75
	B. W. Kearney	6 00
	Toby Rogers	24
	V. D. Martin	48 00
	Elkhart County Trust Co. ..	29 80
	Geo. A. Dolc	3 00
	New Eng. Tel. & Tel. Co. ..	5 32
April	5, Pay Roll, Feb. 26	171 00
	Pay Roll, Mar. 6	150 00
	Pay Roll, Mar. 13	169 00
	Pay Roll, Mar. 27	321 00
	Norman McDonald	10 50
May	3, Isaac Hopkinson	58 75
	Raymond Hopkinson	22 00

May	31,	C. L. Burris	11 50	
		C. H. Crosby	50 94	
		C. S. Smith	171 75	
June	21,	J. A. Ruth	3 00	
		B. & M. R. R.	3 42	
		Roland G. Wright	1 10	
		Olin L. Fuller	95 04	
		Donovan Harness Co.	6 05	
		H. R. Barker Mfg. Co.	30	
		P. Sutherland Mfg. Co.	15 30	
		J. E. Poole	15 25	
		C. L. Burton	12 95	
July	6,	Elmer E. Cole Co.	78 00	
Aug.	2,	Edgar P. Sellew	58 05	
			<hr/>	\$2,103 76

Under H. W. Essex, April 1 to Dec. 31, 1915.

HIGHWAYS

Under H. W. Essex, April 1, to Dec. 31, 1915

H. W. Essex, surveyor	\$252 00
L. Messer, teamster	136 00
C. Rollins, teamster	132 00
E. Fayton, teamster	132 00
W. Foster, labor	68 25
F. Lewis, labor	112 50
T. Hayes, labor	117 00
B. Tivey, labor	54 25
L. Peavy, labor	6 00
C. Walker, labor	115 00
N. McDonald, labor	9 00
D. Burrows, labor	14 00
C. Delanty, labor	12 00
H. Sawyer, labor	97 00
J. McGinnis, labor	58 00
C. Spaulding, labor	6 00
T. McBride	56 00

C. Phillips	45 00
E. F. Dickerson	31 90
Winchester Rock and Brick Co.	246 12
Claffin	22 50
Ames Implement Co.	7 00
F. Julian	28
Buffalo Steam Roller	11 69
B. & M. R. R.	113 87
New England Metal Culvert	88 92
F. Lyons	64
Good Roads	38 50
Saxon Co.	11 43
M. Mason	69 11
F. Harrington	10 00
F. G. Morey & Co.	158 95
B. F. Kearney	26 87
J. A. Richardson	6 57
Merrimack Foundry	5 00
P. Dockam	9 50
Billerica Printing Co.	7 50
Tom Lydon	1 27
Studbaker Co.	2 80
Alden Spero	19 31
P. Sutherland	5 11
E. A. King	13 15
S. A. Bull	14 76
Barrett Mfg. Co.	90 00
G. N. Dodge	19 68

\$4,557 61

REPAIRS AT TOWN FARM.

The Committee on Town Farm Repairs submit the following report:

The house has been remodeled and painted inside and out, electric lights and heating installed, together with modern plumbing.

Amount appropriated for plans	\$100 00	
Amount appropriated for repairs	4,000 00	
	<hr style="width: 100px; display: inline-block; vertical-align: middle;"/>	\$4,100 00

Expenditures

Edward A. King	\$1,483 00	
Mathew McElman	445 00	
M. F. Connor	251 50	
Dwyer & Co.	414 00	
E. T. Shaw Co.	1,089 00	
Conant & May	140 57	
Robertson & Co.	24 90	
F. A. D. Singhi	150 00	
Warren Holden, 17 days at \$3	51 00	
F. L. Day, 17 days at \$3	51 00	
Balance on hand	03	
	<hr style="width: 100px; display: inline-block; vertical-align: middle;"/>	\$4,100 00

Respectfully submitted,

WARREN HOLDEN,

F. L. DAY,

Committee.

REPORT OF THE PARK COMMISSION

Billerica, Mass., Jan. 10th, 1916.

TO THE SELECTMEN OF THE TOWN OF BILLERICA:

The work of the Billerica Park Commission this year has been directed toward the maintenance of existing parks, and co-operation with other committees and commissions in town improvement.

We have maintained Fordway Park, and there is a sufficient balance unexpended for the improvement and maintenance of this park for next year.

We have conferred with the Selectmen concerning the improvement of the Common at the Centre. It was decided to have walks and portions of the turf re-graded, trees trimmed, seats permanently attached to supports, and the historic trees marked with permanent markers.

The work on the seats has been completed, and the trees have been trimmed by the Tree Warden. The grading, and the marking of historic trees will be completed in the spring. There is a sufficient balance in the special appropriation for this.

We have co-operated with the State Harbor and Land Commission and their contractor, in the work of clearing the Concord river from boulders and rocks, between the Fordway and Corner bridges, by supplying maps, locating the channel and positions for dumping the rock.

In this work we have had the assistance of the members of the Billerica Boat Club, who have given their time and the use of their boats.

This improvement represents an expenditure of \$1,400 by the state, to which was added \$200 appropriated by the Town for this purpose.

The only appropriation we ask for is \$300. We feel that a portion of this should be used for the improvement of the Kohlrausch playground, out of respect to the donor, and in memory of Mr. Kohlrausch. Furthermore, there is real need of this playground in the North. The Centre should look forward to superior playground facilities on the new High School site.

Respectfully submitted,

WARREN H. MANNING,

FREDERIC S. CLARK,

J. NELSON PARKER,

Park Commission.

REPORT OF CATTLE INSPECTOR

TO THE HONORABLE BOARD OF SELECTMEN.

I herewith submit my report:

Beef stamped since May 1, 1915	63
Calves stamped since May 1, 1915	170
Hogs stamped since May 1, 1915	163
Beef cattle condemned	4
Calves condemned	5
Hogs condemned	1
Condemned by State	8

The owners have received for these \$293.

One horse was condemned for glanders.

ALBERT H. JONES,
Cattle Inspector.

REPORT OF THE FISH WARDEN

TO THE HONORABLE BOARD OF SELECTMEN.

I herewith submit my report for the year ending December 31, 1915. I have carefully tried to do my duty as Fish Warden, looking after the rivers and ponds within the Town limits, more especially the rivers and ponds where camps are located, to see that no unlawful fishing was taking place, also as Special Police Officer to take care of any rowdyism which might exist.

CHARLES H. KEMP,
Fish Warden.

NEW BOOKS ADDED TO BENNETT PUBLIC LIBRARY OCT., 1914, TO OCT., 1915

Septimus	W. J. Locke
Maid-at-Arms	R. W. Chambers
The Potter and the Clay.....	M. H. Peterson
Prisoners and Captives.....	H. S. Merriman
Out of the Hurly-Burly	Max Adeler
Stephen Ellicott's Daughter.....	J. H. Needell
A Little New England Maid.....	Kate T. Woods
The Conqueror	G. F. Atherton
The Life of George Peabody.....	P. A. Hanaford
Stories from English History.....	Philips
Philip Winwood.....	R. N. Stephens
The Law and the Lady.....	W. Collins
The Patrol of the Sundance Trail.....	Ralph Connor
Looking After Sandy.....	M. Turnbull
Everybody's Birthright.....	C. E. Laughlin
Daddy-Long-Legs.....	Jean Webster
Little Eve Edgerton.....	E. H. Abbott
The Jonathan Papers.....	E. Woodbridge
The Boy Patrol on Guard.....	E. S. Ellis
The Boy Patrol Around the Council Fire.....	E. S. Ellis
The Flying Boys in the Sky.....	E. S. Ellis
The Flying Boys to the Rescue.....	E. S. Ellis
The Launch Boys' Adventures in Northern Waters	E. S. Ellis
The Launch Boys' Cruise in the Deerfort.....	E. S. Ellis
Mark Mason's Victory.....	H. Alger, Jr.
Mark Manning's Mission.....	H. Alger, Jr.
Bernard Brook's Adventures.....	H. Alger, Jr.
Andy Gordon.....	H. Alger, Jr.
Martha and Cupid.....	J. M. Lippman
The Eskimo Twins.....	L. F. Perkins

Neddie and Beckie Stubtail.....	H. R. Garis
Joie, Tommie and Kittie Cat.....	H. R. Garis
Charlie and Arabella Chick.....	H. R. Garis
Once Upon a Time.....	M. E. Caldwell
Thee Bird Friends of a Country Doll.....	C. S. Allen
The Animal School.....	F. W. Danielson
The Witch.....	Mary Johnston
The Young and Old Puritans of Hatfield	
	Mary P. Wells Smith
The Young Puritans in Captivity.....	Mary P. Wells Smith
Ned Brewster's Caribou Hunt.....	C. J. Hawkins
The Golden Goblet.....	J. T. Stocking
Miss Billy.....	E. H. Porter
Miss Billy Married.....	E. H. Porter
The House of Happiness.....	K. L. Boshier
The Resurrection of Miss Cynthia.....	F. M. Kinsley
Mental Efficiency.....	A. Bennett
Art in Needlework.....	L. F. Day
A Cathedral Courtship.....	K. D. Wiggin
Barlasch of the Guard.....	H. S. Merriman
The House of Mirth.....	Edith Wharton
The Honorable Percival.....	A. H. Rice
Little Merry Christmas.....	W. Arnold
Jackanapes.....	J. H. Ewing
The Heart of the Hills.....	John Fox, Jr.
The Poet.....	M. Nicholson
Gideon's Band.....	George W. Cable
How I Spent My Millions.....	J. E. Park
The Rejuvenation of Father Christmas.....	J. E. Park
Old Mother West Wind.....	T. W. Burgess
Mother West Wind's Animal Friends.....	T. W. Burgess
Mother West Wind's Children.....	T. W. Burgess
Mother West Wind's Neighbors.....	T. W. Burgess
Everybody's Lonesome.....	C. E. Laughlin
How It Happened.....	K. L. Boshier
Japan Today and Tomorrow.....	H. W. Mabie
Complete Poems of Paul Laurence Dunbar.....	P. L. Dunbar

The Melting Pot.....	I. Zangwill
Little Sir Galahad.....	Phebe Gray
The Lucky Stone.....	A. F. Brown
The Spell of the Rockies.....	E. A. Mills
Literary By-Paths in Old England.....	H. C. Shelley
Germany and the Next War.....	F. von Bernhardt
The Stranger's Pew	T. N. Page
Little Women Letters from the House of Alcott	
	De Forest Bonstelle
Meditations on Votes for Women.....	S. McChord Crothers
Radcliffe College	
Whosoever Shall Offend.....	F. M. Crawford
The Call of the Cumberlands.....	C. N. Buck
The Convert.....	Mrs. E. Robins
Woman Suffrage.....	Bjorkman-Porritt
The Violet Fairy Book.....	Andrew Lang
The Napoleon of Notting Hill.....	G. K. Chesterton
The Haunts of Men.....	R. B. Chambers
The Beloved Vagabond.....	W. J. Locke
A Soldier of Virginia.....	B. E. Stevenson
An Army Wife.....	Captain C. King
The Upper Berth.....	F. M. Crawford
Where's Master.....	Caesar
A Little Sister to the Wilderness.....	Lilian Bell
Aunt Serena.....	B. W. Howard
Pen and Pencil Pictures.....	T. Towne
Johnny's Vacation.....	M. E. N. Hathaway
A Social Highwayman.....	E. P. Train
The Parasite.....	A. C. Doyle
More Fables.....	George Ade
The March of the Guard.....	Gilbert Parker
The Mysteries of Udolpho.....	Mrs. Ann Radcliffe
Tom Turner's Legacy.....	H. Alger, Jr.
A Girl of High Adventure.....	L. T. Meade
A Plucky Girl.....	L. T. Meade
Big Tremaine.....	Marie Von Vorst
A Summer Hymnal.....	G. T. Moore

The Right Track.....	C. L. Burnham
Romance Island.....	Lona Gale
Glengarry School Days.....	Ralph Connor
The Wall of Partition.....	F. L. Barclay
Robin Redbreast.....	Mrs. Molesworth
Betty's Virginia Christmas.....	M. E. Seawell
Bambi.....	M. B. Cooke
The Lone Wolf.....	L. J. Vance
Saturday's Child.....	Kathleen Norris
Penrod.....	Booth Tarkington
A Far Journey.....	A. M. Rihbany
The Clean Heart.....	A. S. M. Hutchinson
They Who Knock At Our Gates.....	Mary Antin
Captain Danny.....	Walter Camp
A Little Maid of Massachusetts Colony.....	A. T. Curtis
Captain Billie.....	I. S. Gates
Little Stories for Little People.....	E. Hoyt
The Country Road.....	Alice Brown
The Copy Cat and Other Stories...	Mary E. Wilkins Freeman
The Foreigner.....	Ralph Connor
Kent Knowles "Quahaug".....	J. C. Lincoln
The Eyes of the World.....	Harold B. Wright
The Street of Seven Stars.....	M. R. Rhinchart
The Woman in the Alcove.....	Jennette Lee
Beth's Wonder-Winter.....	M. A. Taggart
The Story of Marco.....	E. H. Porter
Webster's New International Dictionary.....	Noah Webster
The Book of Athletics.....	Paul Withington
Philip Kent.....	T. T. Hare
Germany and the Germans.....	Price Collier
The Orange Fairy Book.....	Andrew Lang
The Lilac Fairy Book.....	Andrew Lang
The Brown Fairy Book.....	Andrew Lang
The Pink Fairy Book.....	Andrew Lang
The Blue Poetry Book.....	Andrew Lang
The Animal Story Book.....	Andrew Lang
The Arabian Night's Entertainment.....	Andrew Lang

Unity of Good.....	Mary B. Eddy
Retrospection and Introspection.....	Mary B. Eddy
Christianity and the People's Idea of God.....	Mary B. Eddy
Sons of the American Revolution.....	Massachusetts Society
The True Story Book.....	Andrew Lang
Hepsey Burke.....	F. N. Westcott
Pierre Vinton.....	E. C. Venable
Nancy.....	M. A. Taggart
Sweet Nancy.....	M. A. Taggart
Nancy Porter's Opportunity.....	M. A. Taggart
A Cook Book for Nurses.....	Sarah C. Hill
The Care and Feeding of Children.....	L. Emmett Holt
Principles of Human Nutrition.....	W. H. Jordan
Farm and Garden Rule Book.....	L. H. Bailey
A Far Country.....	Winston Churchill
Polyanna Grows Up.....	E. H. Porter
Thankful's Inheritance.....	J. C. Lincoln
School Discipline.....	W. C. Bagley
Foods and Household Management	
	H. Kinne and A. M. Cooley
Life of Ellen Richards.....	C. L. Hunt
Lippincott's Farm Manuals.....	Fred C. Sears
The Charm of Scandinavia.....	F. E. and S. A. Clark
Captain Bayley's Heir.....	G. A. Henty
When I Was a Boy in Belgium. (2 vols.).....	Robert Jonckheere
Contrary Mary.....	T. Bailey
The Turmoil.....	B. Tarkington
Fidelity.....	S. Glaspell
The Book of Saints and Heroes.....	Andrew Lang
The Gray Fairy Book.....	Andrew Lang
The Olive Fairy Book.....	Andrew Lang
The Book of Princes and Princesses.....	Andrew Lang
The Green Fairy Book.....	Andrew Lang
The Yellow Fairy Book.....	Andrew Lang
The Crimson Fairy Book.....	Andrew Lang
The Healthy Baby.....	

REPORT OF THE BOARD OF HEALTH

In reviewing the year the Board of Health respectfully calls attention to the following figures in connection with the epidemic of diphtheria through which we have passed:

Total number of cases, 39.

Total number of deaths, 7.

In further explanation we desire to say that there has not been a single case of the malignant or commonly called "black diphtheria." Of the total number 39, 15 cases were so-called "carriers," that is, although not sick themselves and showing no symptoms at all of the disease, their throats and nasal passages harbored the diphtheria bacilli as was shown by examination of cultures from them.

To the general public and especially to the relatives of individuals so infected little importance is made of this type of case, but it should be remembered that these are just the cases from which many others contract the disease.

Those who are really sick with diphtheria are confined to the house under quarantine, and therefore there is small chance of their infecting others. The real danger lies in the "carriers," who, when unrecognized from the fact that no cultures having been made from their throats, are going about as usual exposing those they come in contact with.

Of the 15 cases above mentioned practically all were found by the examination of the school children, at school and by the school physician. What does this mean? Simply this, that 15 children while not sick themselves but each one capable of giving diphtheria to those they came in contact with were found and quarantined, thus eliminating the danger of further infection from them.

This was accomplished by their attendance at school under daily medical examination.

One can easily see the importance of getting at and weeding out this class of cases in an epidemic and it is as easy to see that they are not found other than at school where a routine examination is made and cultures taken because not being sick nothing calls the attention of the parents to the children and they do not come under medical supervision unless they are attending school.

The plan of keeping the schools open through an epidemic with daily examination of the children is the method employed throughout the country and we have it from the highest authorities on public health and statistics bear out their teachings that this is the safest and most efficient way of stamping out an epidemic.

We also want to call attention to a little pamphlet which was given out at the annual meeting on Feb. 12, containing rules and regulations pertaining to the public health, which were revised and adopted by the Board during the past year, these being in effect from the above date.

NEIL K. FORHAN, M. D., Secretary,
MAURICE A. BUCK, M. D., Chairman,
THOMAS A. ELLIS.

Expenditures:

Dr. Thomas B. Smith	\$27.00
Geo. Smith	\$1.75
B. J. Hutchins	1.75
E. N. Bartlett	2.50
	<hr/>
	6.00
W. H. Hutchins	24.14
W. H. Hutchins	27.25
W. H. Hutchins	5.60
City of Lynn	98.57
Billerica Printing Co.	8.75
Billerica Printing Co.	8.75

Towers Corner Drug Store	3.75	
H. G. Watts Co.	14.84	
Hobbs & Warren	2.63	
Towers Corner Drug Store	1.90	
City of Lynn	90.00	
Courier Citizen	2.50	
F. & E. Bailey Co.	82.64	
A. H. Jones	85.75	
	<hr/>	\$490.07
Balance Dec. 30, 1914	\$375.73	
Appropriated	125.00	
	<hr/>	\$500.73
Expended		490.07
		<hr/>
Balance on hand		\$10.66

REPORT OF SEALER OF WEIGHTS AND MEASURES

To the Honorable Board of Selectmen:

Gentlemen—I hereby submit my report as Sealer of Weights and Measures for the year ending Dec. 31, 1915:

Scales sealed	87
Scales non sealed	9
Scales adjusted	7
Weights sealed	203
Weights adjusted	16
Liquid measures sealed	34
Liquid measures condemned	3
Measuring pumps sealed	3
Measuring pumps adjusted	1
Measuring pumps non sealed	2
Linear measures sealed	3

Respectfully submitted,

JOHN J. RITCHIE,

Sealer.

REPORT OF OVERSEERS OF THE POOR

January 10, 1916.

To the Honorable Board of Selectmen and Citizens:

The following is submitted as to the personal and financial condition of Home farm and Relief departments. There have been nine inmates, seven adults and two minors, at the Home during past term. Elaborate and substantial improvements have been accomplished under the direction of the building committee, the most noteworthy of which is the convenience which makes possible the care of inmates a most agreeable proposition for those in connection whose faithful performance of duty may be accomplished with entire satisfaction to the community.

The Home has been made attractive, safe and sanitary, with water supply, heat, light and modern bath rooms. Every comfort possible was the earnest desire of the committee for its inmates.

The overseers desire to convey their expression of approval of the improved conditions on the main building, but inasmuch as the barn needs shingling at once we regret under the high rate of taxes to ask for an increased appropriation to accomplish this work.

There are other needed requirements on the outer buildings but they can be dealt with in the future at a small cost.

In conclusion we most earnestly desire to express our gratitude and appreciation for the earnest and devoted work in behalf of the inmates by president, Mrs. Herbert B. Hosmer, and members of the 1900 club, for their benevolence in furnishing with modern equipment the home sick room,

also to Mrs. Frederick S. Clark for the beautiful gift of a Stella musical cabinet, and to the promoter and chairlady, Mrs. George Preston, of the public entertainment for the inmates at Christmas, where all present on that occasion will agree humanity and Christianity was most beautifully exemplified.

Financial Statement, Home Farm,

Appropriation	.....	\$600.00	
Special appropriation	.....	900.00	
Receipts	.....	2,796.28	
		<hr/>	\$4,296.28
Overdrawn, Dec. 31, 1914	.....		17.97
			<hr/>
			\$4,278.31
Expended:			
1914 bills	.....	\$655.62	
1915 bills	.....	3,335.40	
		<hr/>	3,991.02
			<hr/>
Balance, Dec. 31, 1915	.....		\$287.29

Appraisal Personal Property at Home Farm January, 1916

14 milk cows	.....	\$1,120.00
5 heifers	.....	110.00
1 bull	.....	30.00
1 pair bay horses	.....	600.00
65 tons ensilage	.....	260.00
16 tons hay	.....	352.00
Corn	.....	9.00
Stock of grain	.....	60.00
Harnesses	.....	85.00
2 pigs	.....	30.00
55 fowls	.....	55.00
Manure, 40 cords	.....	240.00
Horse blankets and robes	.....	15.00

9 tons coal	72.00
Carpenters' tools	15.00
Implements and farming tools	150.00
Corn harvester	75.00
Tree sprayer	10.00
Hay fork, ropes and blocks	15.00
Ice tools	10.00
28 cords wood	112.00
Milk cooler and pails	10.00
Two carts	90.00
Two sleds	60.00
Manure spreader	75.00
Two wagons	90.00
Pung and market wagon	25.00
Hot bed sash and frame	10.00
Vinegar casks and barrels	20.00
Lanterns, lamps and oil	5.00
Top carriage	10.00
Barrels and boxes	5.00
Ensilage cutter	10.00
Apples and potatoes	54.50
Onions	2.00
Groceries	20.00
Preserves and fruit	14.00
House furnishings	300.00
Kitchen utensils	20.00
Bedding	65.00
Earthen stone ware	5.00
Dishes and glassware	20.00
Knives and spoons	2.00
Three fire extinguishers	24.00
Refrigerator	15.00
200 lbs. pork	22.00
Union safe and mail box	50.00
Sheets, table linen, towels	30.00
Gift to Home Farm by Mrs. F. S. Clark, No. Billerica, Stella musical cabinet.	

 \$4,478.50

Appraisal January, 1916	\$4,478.50
Appraisal January, 1915	4,062.73

Increase valuation term ending Decem- ber, 1915	\$415.77
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Approved Bills, December, 1914

Herbert A. Bowerman, Supt., wife, Ma- tron	\$41.66
Robert Sutter, labor	15.00
F. G. Morey & Co., grain	121.72
K. D. McKinnon, groceries	30.98
W. H. Sutcliffe, sawing wood	13.00
Big six crash, 53 yards	2.75
Telephone, November	1.90
Dr. M. A. Buck	28.50
Custom Laundry	3.25
Bill of items	9.87
	<hr/>
	\$268.63

Receipts, Home Farm, December, 1914

W. H. Dooley, 471 cans, 6 qts., at 40c ..	\$188.70
K. D. McKinnon, 7 doz. eggs	4.00
Mrs. Collins, milk and vegetables	5.20
John Dewhurst, molasses .....	.72
Mrs. Messenger, milk	1.92
Mrs. Messenger, sand	1.00
Mr. Axel, ploughing	11.00
Mr. Axel, milk .....	.14
	<hr/>
	\$212.68

Approved Bills, January, 1915

H. A. Bowerman and wife	\$41.66
R. Sutter, labor	15.00
F. G. Morey, grain	65.71
Pratt & Forrest, lumber	7.70
C. L. Burton, blacksmith	37.58

E. A. King, hardware	3.90	
Donovan Co., harness	9.50	
A. S. Cook, four months' meat	30.07	
K. D. McKinnon, groceries	35.27	
National Butter Co., groceries and meat	13.10	
Colburn S. Smith, fertilizer	45.00	
A. G. Pollard Co., dry goods	8.25	
M. A. Ellwood, groceries	6.40	
John S. Welsh, meat	3.63	
Telephone, December	2.10	
Bill of items	9.25	
		<hr/>
		\$334.12

Receipts, Home Farm, January, 1915

W. H. Dooley, 435 cans, 7 qts., 40c	\$174.35	
Abe Alynski, cow	85.00	
Mrs. Messenger, milk	3.21	
Mrs. Collins, milk and eggs	3.76	
K. D. McKinnon, eggs	12.03	
Mrs. Pringle, apples	1.50	
		<hr/>
		\$279.85

Approved Bills, February, 1915

H. A. Bowerman and wife	\$41.66	
R. Sutter, labor	15.00	
F. G. Morey Co., grain	102.47	
K. D. McKinnon, groceries	33.89	
Pratt & Forrest, lumber .....	.90	
A. D. Perkins, fish	5.60	
E. E. Cole Co., grain	10.89	
M. A. Ellwood, groceries	1.13	
John S. Welsh, meat	2.23	
Telephone, January	2.10	
Dr. C. A. Hamblett	2.00	
Bill of items	8.04	
		<hr/>
		\$225.91

Receipts, Home Farm, February, 1915

W. H. Dooley, 393 cans, 4½ qts., 40c ..	\$157.40
Mrs. Collins, milk	3.48
Mrs. Collins, eggs	4.03
Mrs. Messenger, milk	2.13
Mrs. Messenger, eggs	1.23
Telephone .....	.15
Abe Alynsky, calf	6.00
Mrs. Robinson, apples	2.00
Mrs. Snow, 2½ bush. potatoes, apples, ..	5.26
Mrs. Snow, apples	3.25
K. D. McKinnon, eggs	1.93
	<hr/>
	\$187.22

Approved Bills, March, 1915

H. A. Bowerman and wife	\$41.66
R. Sutter, labor	15.00
F. G. Morey Co., grain	17.65
K. D. McKinnon, groceries	30.05
A. D. Perkins, fish	2.98
Jules Nadeau, blacksmith	7.15
Bill of items	9.70
Thomas A. Ellis, plumber	6.70
National Butter Co.	9.50
A. G. Pollard Co., dry goods	4.82
Telephone, February	1.74
	<hr/>
	\$137.05

Receipts, Home Farm, March, 1915

W. H. Dooley, 382 cans, 4 qts., 40c	\$153.00
W. H. Dooley, apples .....	.75
W. H. Dooley, junk	4.30
Mrs. J. Dewhurst, 1130 hay	6.78
Mrs. J. Dewhurst, teaming	3.00
Mrs. J. Dewhurst, molasses .....	.65
Mrs. Collins, milk	4.20

Mrs. Collins, eggs	5.62	
Mrs. Messenger, milk	2.64	
K. D. McKinnon, eggs	2.86	
	<hr/>	\$183.80

Approved Bills, April, 1915

H. A. Bowerman and wife	\$50.00	
R. Sutter, labor	18.00	
F. G. Morey Co., grain	63.80	
K. D. McKinnon, groceries	25.07	
A. G. Pollard Co., dry goods	4.63	
A. S. Cook, three months' meat	22.49	
W. H. Sutcliffe, sawing wood	11.00	
National Butter Co.	9.35	
Wiley Soap Co., soap	7.50	
J. B. Cover Co., seed	4.00	
C. W. Parson, cow \$110.00, filling ice house \$10.00	120.00	
Bill of items	10.73	
John Baker, meat	7.32	
F. G. Morey Co., grain	44.15	
T. Lydon, stove and fixings	13.20	
I. Smith, hardware	2.24	
	<hr/>	\$413.48

Receipts, Home Farm, April, 1915

W. H. Dooley, 325 cans, 6 qts., 40c	\$130.30	
Abe Alynsky, 2 calves	11.00	
Abe Alynsky, molasses barrels	6.00	
Mrs. Collins, milk	3.42	
Mrs. Collins, eggs	3.17	
Mrs. Messenger, milk and eggs	2.97	
Mrs. Dewhurst, milk	1.17	
Mrs. Willett, milk .....	.84	
Mrs. Willett, ploughing	1.00	
Abe Alynsky, calf	7.00	
C. H. Smith, teaming	47.22	
	<hr/>	\$214.09

Approved Bills, May, 1915

H. A. Bowerman and wife	\$50.00
R. Sutter, labor	18.00
Owen Flynn, labor	5.00
F. G. Morey Co., grain	54.14
K. D. McKinnon, groceries	20.58
Lowell Rendering Co., 2 pigs	15.00
John S. Welsh, meat	5.98
Dr. W. A. Sherman	4.00
A. D. Perkins, fish	3.93
Robertson Co., 2 mattresses	5.00
I. Smith Co., seed	5.25
Telephone, March	2.04
Bill of items	17.10
J. Cover Co., seed corn	11.20
John Baker, meat	8.19
National Butter Co.	9.15

 \$234.56
Receipts, Home Farm, May, 1915

W. H. Dooley, 461 cans, 1 qt., 40c	\$184.45
Mrs. Collins, milk and eggs	5.98
Mrs. Collins, two hens	1.30
Mrs. Messenger, fertilizer	1.75
Mrs. Messenger, milk	2.80
Mrs. Messenger, potatoes	1.00
Mrs. Willett, milk	1.06
Mrs. Dewhurst, milk	1.68
Mrs. Dewhurst, ploughing	2.25

 \$202.27
Approved Bills, June, 1915

H. A. Bowerman and wife	\$50.00
R. Sutter, labor	18.00
Owen Flynn, labor	5.00
F. G. Morey Co., grain	40.00
K. D. McKinnon, groceries	34.94

Donovan Co., harness	5.10	
National Butter Co.	7.67	
I. Smith, hardware	4.65	
J. L. Chalifoux Co., suit	5.00	
Telephone, April	1.68	
Saunders Co., flour, etc.	8.40	
H. E. Hudson, meat	5.15	
A. G. Pollard Co., dry goods	6.75	
A. G. Pollard Co., old bill	24.66	
P. D. Thompson, seven months' grain ..	145.92	
John Baker, meat	11.78	
Bill of items	10.85	
		<hr/>
		\$385.55

Receipts, Home Farm, June, 1915

W. H. Dooley, 513 cans, 4 qts., 40c	\$205.20	
Tom Clark, three weeks' board	12.00	
Mrs. Messenger, milk and potatoes	4.03	
Mrs. Dewhurst, milk	1.68	
Mrs. Collins, milk	3.36	
Abe Alynsky, two calves	8.00	
Telephone .....	.45	
		<hr/>
		\$234.72

Bills Approved, July, 1915

H. A. Bowerman and wife	\$50.00
R. Sutter, labor	18.00
K. D. McKinnon, groceries	25.03
F. G. Morey Co., grain	52.74
J. T. Williamson, blacksmith	3.00
A. D. Perkins, fish	5.93
John Boswick, spraying trees	7.00
National Butter Co.	7.30
E. A. King, hardware	4.25
A. G. Pollard Co., dry goods	3.62
Custom Laundry .....	.75

Telephone, May	2.69	
Coburn E. Smith, fertilizer	64.00	
Bill of items	10.58	
John S. Welsh, meat	3.73	
M. A. Ellwood, groceries	2.86	
		<hr/>
		\$261.48

Receipts, Home Farm, July, 1915

W. H. Dooley, milk, 467 cans, 51½ qts. . .	\$190.55	
W. H. Dooley, bags	2.00	
Abe Alynsky, calf	5.00	
Abe Alynsky, junk	2.00	
Mrs. Collins, milk	3.36	
Mrs. Dewhurst, milk	1.75	
Mrs. Messenger, milk	1.68	
Mrs. Messenger, cutting hay	2.00	
Telephone .....	.35	
John Donnelly & Son, board adv.	10.00	
		<hr/>
		\$218.69

Bills Approved, August, 1915

H. A. Bowerman and wife	\$50.00	
R. Sutter, labor	18.00	
F. G. Morey Co., grain	51.84	
I. Smith, hardware .....	.80	
John S. Welsh, meat	10.67	
J. B. Cover Co., grain	6.29	
K. D. McKinnon, groceries	26.25	
J. T. Williamson, blacksmith	1.25	
National Butter Co.	7.30	
Pratt & Forrest Co., lumber	1.43	
Jules Nadeau, blacksmith	12.50	
Bill of items	7.53	
A. G. Pollard Co., dry goods	4.25	
		<hr/>
		\$198.11

Receipts, Home Farm, August, 1915

W. H. Dooley, 431 cans, 4 qts., 40c	\$172.65	
W. H. Dooley, cow and bull	112.00	
Mr. Myers, apples	57.00	
Mr. Myers, vegetables	6.60	
Mr. Myers, corn	2.55	
Mrs. Messenger, milk	2.15	
Mrs. Collins, milk	3.66	
Mrs. Willett .....	.84	
Telephone .....	.35	
	<hr/>	\$358.30

Approved Bills, September, 1915

H. A. Bowerman and wife	\$50.00	
James Sutter, labor	22.00	
F. G. Morey Co., grain	79.57	
K. D. McKinnon, groceries	35.27	
John S. Welsh, meat	15.70	
Robertson Co., bed outfit	9.00	
P. D. Thompson, grain	57.60	
E. E. Smith, hardware	10.78	
A. G. Pollard Co., dry goods	1.00	
Dr. W. A. Sherman	4.00	
A. D. Perkins, fish	13.15	
E. A. King, repairs	23.58	
Anderson & Johnson, work on silo	55.75	
L. J. Johnson, teaming corn	16.00	
Foster Grain Co., grain	15.50	
Bill of items	42.22	
	<hr/>	\$451.12

Receipts, Home Farm, September, 1915

W. H. Dooley, 418 cans, 6 qts., 40c	\$167.50	
Leo O'Neil, apples	55.00	
Leo O'Neil, chickens	10.35	
Mrs. Dewhurst, stove	5.00	
Mrs. Dewhurst, apples and pears	3.00	

Mrs. Dewhurst, vegetables	1.00	
Mrs. Dewhurst, corn and apples	3.80	
Mrs. Collins, milk	2.52	
Mrs. Messenger, milk	2.55	
Mrs. Willett, milk	1.92	
Calf	4.00	
	<hr/>	\$256.64

Approved Bills, October, 1915

H. A. Bowerman and wife	\$50.00	
James Sutter, labor	22.00	
F. G. Morey Co., grain	38.40	
K. D. McKinnon, groceries	26.72	
A. G. Pollard Co., dry goods	9.90	
J. T. Williamson, blacksmith	2.00	
National Butter Co.	5.80	
John S. Welsh, meat	10.03	
Tewksbury, taxes	6.30	
Telephone, August and September	5.08	
W. C. Parson, cow	110.00	
Bill of items	12.59	
Foster Co., grain	16.00	
Electric Light Co.	1.68	
	<hr/>	\$316.50

Receipts, Home Farm, October, 1915

W. H. Dooley, 494 cans, 42c	\$207.48	
W. H. Dooley, tomatoes .....	.50	
M. Cohen, apples	3.25	
M. Cohen, junk	8.00	
Mrs. Collins, milk	3.36	
Mrs. Willett, milk .....	.54	
Mrs. Messenger, milk	2.74	
Mrs. Dewhurst, milk	2.16	
	<hr/>	\$228.03

Approved Bills, November, 1915

Paid H. A. Bowerman and wife	\$50.00	
Paid James Sutter, labor	22.00	
Unpaid K. D. McKinnon, groceries	30.38	
Unpaid A. G. Pollard Co., dry goods ..	9.65	
Unpaid National Butter Co.	5.80	
Unpaid John S. Welsh, meat	7.05	
Unpaid Foster Co., grain	49.10	
Unpaid A. D. Perkins (two months) fish	5.87	
Unpaid Electric Light Co.	3.36	
Unpaid Telephone, October	2.39	
Paid Coburn Smith, fertilizer	6.40	
Paid Bartlett & Dow (old bill)	13.53	
Paid Bill of items	16.92	
		<hr/>
		\$222.45

Receipts, Home Farm, November, 1915

W. H. Dooley, 483 cans, 42c	\$202.86	
M. Cohen, potatoes	2.00	
M. Cohen, care of horse	5.00	
Mrs. Messenger, milk	2.66	
Mrs. Dewhurst, milk	1.74	
Mrs. Collins, milk	3.36	
Mrs. Collins, apples	2.50	
		<hr/>
		\$220.12
Total bills approved for 12 months' term ending November, 1915		\$3,448.96
Total receipts from farm produce, paid Town Treasurer for 12 months' term ending November, 1915		\$2,796.41

OUTSIDE RELIEF**Approved Bills for Partial Support**

Braintree, rent, Samuel G. Bailey and wife	\$61.50
Dr. M. A. Buck	25.00

Ashburnham, groceries, Maria Russell ..	66.50	
Mrs. F. A. Casey, rent, Chester G. Spaulding	28.00	
St. Peter's orphanage, part board D. Donahue five children, 12 months	168.00	
Overseers' official visits and expense, 1914	16.40	
R. T. Perry, groceries, Mary Maxwell ..	2.71	
St. John's Hospital, Mrs. Agnes Sheehan	13.00	
Courier-Citizen Co., official blanks	10.25	
State Hospital, William J. Emmet	14.50	
Boston City Hospital, Mary E. Sullivan	40.00	
Overseers' official visits and expense, 1915	16.16	
Mrs. O. Gilman, care May 1 to Nov. 27, 1915, of Mrs. Mary E. Thompson ..	150.00	
N. E. T. & T. Co., telephone rent	18.14	
Dr. M. A. Buck, services	25.00	
Dr. M. A. Buck, visits to Mrs. Mary Thompson	10.00	
<hr/>		
Total bills approved term 1915		\$665.16

Approved Bills, Outdoor Relief

Edward E. Lynch (burial) Annie Perry	\$18.00	
Cemeteries' department, grave, Annie Perry	4.00	
P. B. Dolan, groceries, Mrs. Freedman family	16.63	
Cash paid by town, Mrs. Freedman family	66.00	
<hr/>		
		\$104.63

Reimbursement Outdoor Relief Due

Lowell, charge J. Ozana	\$20.33
Lowell, charge Mrs. John Robertson ...	4.00
State, charge Mrs. Chrunski family ...	19.31

Bedford, charge Annie Perry	22.00
State, charge Mrs. Freedman family ..	82.63

Total term 1915	\$148.27
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MOTHERS WITH DEPENDENT CHILDREN, UNDER CHAPTER 763, ACTS 1913

Cash paid by Town from Jan. 7 to Dec. 30. To reimbursement State 1-3, Concord 2-3	\$173.69
John S. Welsh, groceries, Dec. 1, 1914, to Dec. 1, 1915. To reimbursement State 1-3	152.38
Cash paid by Town May 1 to December 31. To reimbursement, State 1-3 ..	140.00
Lowell, cash from Oct. 15 to Oct. 31. Billerica 2-3	6.67
Cash paid by Town from Nov. 13, 1915, to Jan. 8, 1916. To reimbursement State in full	80.00

Total mothers' relief term 1915 ...	\$552.74
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Reimbursement Mothers' Relief due April 30 and Nov. 1:

April 30, 1915, Concord 2-3	\$57.25
April 30, 1915 State 1-3	28.62
April 30, 1915, State 1-3	24.41
Nov. 1, 1915, Concord 2-3	59.55
Nov. 1, 1915, State 1-3	29.77
Nov. 1, 1915, State 1-3	26.60
Nov. 1, 1915, State 1-3	36.00

Total due from State and Towns

Nov. 1, 1915	\$262.20
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Total bills approved outside relief, 1915	\$665.16
Total bills approved outdoor relief, 1915	104.63
Total bills approved mothers' relief, 1915	552.74

\$1,322.53

Total reimbursements due outdoor relief, 1915	\$148.27	
Total reimbursements due mothers' re- lief, 1915	262.20	
	<hr/>	\$410.47

FINANCIAL STATEMENT, PARTIAL RELIEF

Balance, Jan. 1, 1915	\$360.70	
Appropriation	800.00	
Reimbursement	153.89	
	<hr/>	\$1,314.59
Total bills paid, Jan. 1, 1916		1,290.54
		<hr/>
Balance, Dec. 31, 1915		\$24.05
Reimbursements due, Dec. 31, 1915		256.58
		<hr/>
Total		\$280.63

RICHARD J. CONWAY,
COBURN S. SMITH,
WARREN HOLDEN,

Overseers of the Poor.

REPORT OF THE HOWE HIGH SCHOOL BUILDING COMMITTEE

Billerica, Mass., January 10th, 1916.

To the Citizens of Billerica:

In accordance with the vote at the Annual Town Meeting on March 27, 1915, the Moderator appointed Nathaniel R. Jones and Thomas T. Clark to serve on the Building Committee, together with the original Investigating Committee, consisting of Charles H. Eames, Maurice A. Buck, and Burton O. Sanford.

After careful investigation the committee engaged Messrs. Brainerd & Leeds, of Boston, as Architects, and directed them to proceed with the plans and specifications substantially in accordance with those accepted at the Annual Meeting.

After many visits to, and due consideration of the several sites suggested for the building, the committee on May 6th gave a hearing, as directed by the Town. On June 29th the land immediately south of Bennett Hall, on Main Street, comprising 6.8 (approx.) acres, with a frontage of 267 feet, was transferred to the Town by Fred W. Fisher, of Boston, for \$6,000.

The general contract was awarded to Messrs. John W. Duff, Inc., of Boston, the sub-contractors being Messrs. Huey Bros. of Boston, on heating and ventilating, William H. Mitchell & Son Co., of Boston, on plumbing, and Clark & Mills Electric Co., of Boston, on electrical work.

November 22nd the corner stone was laid with appropriate exercises. The work on the building is progressing as rapidly as weather conditions permit, and it is expected that the building will be ready for occupancy before Sept. 1, 1916.

Respectfully submitted,

CHARLES H. EAMES, Chairman.
THOMAS T. CLARK, Secretary.
MAURICE A. BUCK,
NATHANIEL R. JONES,
BURTON O. SANFORD.

ANNUAL REPORT
OF THE
School Committee
AND THE
Superintendent of Schools
of Billerica, Mass.

For the School Year Ending Dec. 31, 1915

SCHOOL COMMITTEE

Organization

MAURICE A. BUCK, Chairman HERBERT B. HOSMER, Sec'y
J. FREDERICK GANNON

Superintendent of Schools

EUGENE C. VINING

School Physician

DR. MAURICE A. BUCK

Attendance Officers

FRANK S. BARTLETT

WILLIAM TAYLOR

Members

MAURICE A. BUCK	(Term expires 1916)
HERBERT B. HOSMER	(Term expires 1917)
J. FREDERICK GANNON	(Term expires 1918)

Regular meeting, Thursday preceding the first Monday of each month except August.

SCHOOL CALENDAR, 1916

Opens Jan. 3.
Closes Feb. 18—winter recess.
Opens Feb. 28.
Closes Apr. 14—spring recess.
Opens Apr. 24.
Closes June 22—summer vacation.
Opens Sept. 5.
Closes Nov. 22—Thanksgiving recess.
Opens Nov. 27.
Closes Dec. 22—Christmas recess.

NO-SCHOOL SIGNALS.

Four rounds of two blasts (2-2-2-2) by the fire alarm whistle:
At 7.20 A. M. to indicate no session of the high school.
At 7.50 A. M. to indicate no session of the grades.
At 11.20 A. M. to indicate that the session will be extended to 12.40
and no afternoon session.

ENROLMENT BY GRADES DEC. 1, 1915.

HOWE HIGH

Grade	Boys	Girls	T'tl.
Twelfth	1	5	6
Eleventh	6	14	20
Tenth	12	22	34
Ninth	17	26	43
Post Graduates	0	2	2
Special	—	2	2
	—	—	—
Total	36	71	107

RICHARDSON

Grade	Boys	Girls	T'tl.
Sixth	1	4	5
Fifth	0	1	1
Fourth	2	3	5
Third	1	2	3
Second	2	2	4
First	1	3	4
	—	—	—
Total	7	15	22

POLLARD

Grade	Boys	Girls	T'tl.
Eighth	15	19	34
Seventh	18	18	36
Sixth	13	14	27
Fifth	18	14	32
Fourth	21	18	39
Third	24	11	35
Second	13	12	25
First	15	21	36
	—	—	—
Total	137	127	264

TALBOT

Grade	Boys	Girls	T'tl.
Eighth	13	11	24
Seventh	17	17	34
Sixth	17	22	39
Fifth	15	21	36
Fourth	19	21	40
Third	20	18	38
Second	18	18	36
First	25	26	51
	—	—	—
Total	144	154	298

Grand Total 691

CENSUS 1915.

	Boys	Girls	Total
No. of children between 5 and 7 years of age	69	85	154
No. of children between 7 and 14 years of age	231	225	456
No. of children between 14 and 16 years of age	51	63	114
	—	—	—
No. of children between 5 and 16 years of age	351	373	724

REPORT OF SCHOOL COMMITTEE

TO THE CITIZENS OF BILLERICA:

We beg leave to make the following report for the year 1915.

At the present time we are anxiously awaiting the completion of the Howe High school to relieve the congestion at the Pollard, the Talbot and the Howe schools. We have an enrollment of 700 pupils and this has necessitated the refitting of a new room in each of the above mentioned schools.

For the Howe school pupils we have procured from the Selectmen the banquet room in the Town Hall and are utilizing that for school purposes. For the Talbot school pupils we have refitted the room utilized last year for Manual Training. For the Pollard school pupils we have refitted the room on the third floor, last year occupied by the High School pupils as a chemical laboratory. The Manual Training Department we have housed at the center in a building on the Boston Road, leased from Mr. George Greenwood.

This year the term of Mr. Webber expiring, we discontinued the alliance with Stoneham and appointed Mr. E. C. Vining as Superintendent of Schools, a move which has been very satisfactory.

The Talbot school was renovated during the summer from cellar to attic and is now in the best of condition and with proper care should need only minor repairs for many years to come. Electric lights were installed in the halls and one school room and an iron gate placed in the main entrance. Also aside from the renovating, the State Police ordered the plastering of the cellar ceiling, which order has been complied with.

The no school signal is now blown on the new fire whistle at the car shop and gives more satisfaction than formerly.

Owing to an epidemic of diphtheria at the North Village, the schools were closed longer than usual at Thanksgiving and when reopened all attending scholars were daily examined by the school physician, the suppression of the disease resulting.

From our experience with the diphtheria epidemic we would recommend the employment of a school nurse and the raising of the school physician's salary from \$150 to \$500, as for the proper performance of his duties he is very poorly compensated.

At the Howe school, Miss Moran and Miss Webb left at the end of the term in June and have been replaced by Miss Stella M. Osgood, Miss Blanche Jones and Miss Annette B. MacKnight.

At the Talbot school, Miss Madaline Earle, Miss Rita Collins, and Miss Kathleen O'Hearn were appointed to fill vacancies in the fourth, third and sixth grades respectively. Also a new janitor was appointed, Mr. William Costello, who resigned after one month's service, and was replaced by Mr. William Taylor.

Miss Thurza McElman was taken from the Richardson school and given the sixth grade at the Pollard school. Miss Hazel Wilcox was appointed to fill the vacancy in the first grade caused by the resignation of Miss Gleason, and Mrs. Katrina Bryant, last year assistant to Miss Knowles, was given the third grade. Miss Anna J. Masterson was appointed to replace Miss McElman at the Richardson school. Miss Minnie E. Reynolds was appointed Supervisor of Penmanship to replace Miss Mary V. Rensel, resigned.

Owing to the steadily increasing attendance, the extra teachers therefore necessary, as well as the uncertain added cost for maintenance of the new Howe High school, your committee would recommend that the sum of \$32,000 be raised and appropriated for the schools of Billerica, for the year ending December 31, 1916.

That the sum of \$500 for medical examination and the dog tax and our unexpended balance be placed to the credit of the school account.

Respectfully submitted,

MAURICE A. BUCK,

HERBERT B. HOSMER,

J. FREDERICK GANNON.

REPORT OF THE SUPERINTENDENT OF SCHOOLS

TO THE SCHOOL COMMITTEE OF BILLERICA:

I beg leave to submit for your consideration my first report and the twenty-sixth in the series of annual reports by the Superintendent of Schools of Billerica.

The time which has passed since the schools came under my supervision has been so short that it will be possible, except in case of the High school, to review the work only since September.

So much upheaval in the upper grades was involved in changing from a nine to an eight grade system and so much work of reconstruction lies in the immediate future that it has seemed advisable to postpone until the completion of the new building, the introduction of some features which seem to me helpful. It will then be possible to reorganize on the so-called "six and six plan," as explained in the last annual report. Plans are now well developed for this change. This plan has been the topic most discussed by educators during the past year. It is already well established in many school systems of the West and is being tried in a few New England towns. I wish we might have seen its successes more fully demonstrated in school systems similar to our own. It, however, seems to offer the logical solution of the housing problem in this town.

Increasing School Population.

While the 1915 census shows an increase in the population of the town of only 450 since 1910, in the last two years the school census has increased 182 or 34 per cent. We are today

caring for approximately 700 in our schools, an increase in enrolment of 28 per cent in the last two years.

To house this increase it was necessary to furnish and equip three new rooms during the summer—one in each school. Even with this additional room the Talbot is at present the only school in which the work is not hampered by overcrowded conditions. The completion of the new building will take care of the High school and the seventh and eighth grades. The transfer of these grades will make the Pollard building adequate for present needs, but economy and efficiency demand that in the near future further accommodations be anticipated to meet the rapid growth in certain sections of the Town. The transportation of pupils in a Town of as large area as Billerica is an item of heavy expense and, with the rapid increase of population in several sections removed from the present centers, must be one of increasing cost. The whole problem of transportation is one which needs careful attention and readjustment.

The changes in the teaching corps have been regrettably numerous. Miss Florence Ruth, Miss Marion Wilkins and Mrs. Margaret Walworth resigned to be married. Miss Moran, Miss Webb, Miss Gleason and Miss Reusch accepted other positions. Much time and care was spent in filling these vacancies. With the salaries now paid it is, I believe, as unwise as it is unnecessary to employ inexperienced teachers and I would most strongly urge that in addition to thorough scholastic preparation at least one year of successful experience be made a prerequisite of employment.

The High School.

At the close of the school year in June, Miss Mary A. Moran and Miss Bessie E. Webb resigned to accept positions elsewhere. The combined duties of principal and superintendent permit the Principal to give only a portion of his time to teaching and three teachers of successful experience were secured—Miss Stella M. Osgood of Littleton, N. H. in Latin and History, Miss Blanche Jones of Cleveland, Ohio, in Commercial subjects and Miss Annette B. MacKnight of Madison, N. J. in English.

They have won the good-will of the student body and are rapidly proving their worth in our work.

The enrolment is 107 as against 92 last year, divided as follows: Seniors 6; Juniors 20; Sophomores 34; Freshmen 43; Post Graduates 2, and Specials 2.

To provide for the increase at the Pollard it was necessary to withdraw the High school work from that building. Through the valued courtesy of the Board of Selectmen the use of the banquet room of the Town Hall was granted for school purposes. This has relieved a situation for which there seemed no other solution and at the same time saved considerable expense. If any organizations or individuals have been disappointed in the use of the room, may it be viewed in the light of the larger service the hall is giving at this transition period. One new room was furnished and five typewriters added.

The Commercial course attracts a large number and every effort will be made to make the training thorough and practical. It is a matter of regret that many pupils take the course who are too young and immature to realize the full value of the work, or upon the completion of the course to command as desirable a position as their training would warrant. With the increasing number of young people with commercial training, coming every year from the schools, competition will become increasingly keen. Only the best qualified will find desirable positions and many will be obliged to accept other work. With the opportunity to broaden the courses in the High school and with the unusual opportunities which our proximity to the best institutions of higher learning gives, the utmost care and thought should be exercised in the selection of courses throughout the High school course. There is urgent need at this time to discourage the entrance of ill-trained young people into vocations for which they have slight aptitude and which promise little in the future.

Parents and pupils should bear in mind that only a limited amount of time is available for study during the school session. A student of average ability needs to spend two or three hours daily in home study. Our brightest and most ambitious students spend even more. A parent whose child is not doing regular

home study may be certain that the pupil is failing to realize from his course what he should. The tendency of pupils and parents to overlook this difference between the demands of grammar school and high school work is the cause of many failures during the first year of high school. *The High school pupil needs regular and uninterrupted hours of home study.*

With the completion of the new building, many needs arise. Graduates and friends of the school and public-spirited citizens have an opportunity to manifest their interest. Pictures, statuary, a piano, reference books and many devices for facilitating the running of a large building are needed.

Talbot School.

The building during the summer was thoroughly renovated and freshened inside and out—the walls burlapped and retinted, the ceilings whitened, the wood-work cleaned and varnished, the plumbing improved, electric lights installed in the hallways and one class room and the wood-work of the exterior painted. With subsequent changes in the basement required by the regulations of the State Police, the building is now in a thoroughly safe and sanitary condition. It was necessary to furnish and equip as a class room, the room used last year for manual training. This is the only building which is not so overcrowded as to interfere with the success of the work.

Miss Madeline Earle, Miss Rita M. Collins and Miss Kathleen M. O'Hearn, all graduates of the Lowell Normal School were assigned to the fourth third and sixth grades respectively. Their enthusiasm and willingness has done much to compensate the lack of experience and their second year must be increasingly productive.

Pollard School.

Two changes were necessary in the teaching force of this school owing to the withdrawal of Miss Wilkins and Miss Gleason. Miss Thurza McElman, who has taught three years in the Richardson School, was elected to the sixth grade vacancy. Miss Hazel L. Wilcox of Malden, a graduate of the Wheelock Kin-

dergarten School of Boston, who has taught in Concord, N. H., and Reading, Mass., was elected to the first grade. These are teachers of experience and have justified the confidence placed in them.

The congestion is most acute in this building.

The increased numbers in the third and fourth grades could not be accommodated in any one room. Mrs. Katrina Bryant who has been assistant to Miss Knowles was given the third grade. The high school work was removed from the third floor and a class room furnished. The small overcrowded rooms in which the fifth and sixth grades are now quartered do not make possible the best results. By the removal of the seventh and eighth grades to the new building, six well arranged class rooms will be possible for the remaining six grades. The general willingness of the teachers to make the best of these temporary conditions has been most commendable and much appreciated.

Richardson School.

Miss Anna J. Masterson, a graduate of the Lowell Normal school, who has had two years of successful experience was employed to succeed Miss Thurza McElman. Real interest and enthusiasm is manifest in the school room and excellent work is being accomplished.

Special Work.

The special work in music, drawing, sewing and manual training has been conducted under the same supervisors as last year. Attention is called to their reports which are appended.

Manual Training has been given three years and during that time has occupied as many locations. This year, forced from the Talbot School, the work has been conducted in the Greenwood Workshop. Under such changing and unsatisfactory conditions, the best work is not possible. The transfer of this department to permanent quarters in the new building will save much time and give better results.

Penmanship is one of the fine arts and can be learned only from proper instruction and practice in the right way. So many systems have been foisted upon the schools in the last fifteen years that the frequency of change has been perplexing alike to teachers and pupils. The Palmer system which was adopted two years ago is a practical form of business writing. The science depends upon muscular relaxation, proper position of body and correct pen holding, freedom of movement, the study of letter forms, speed and practice. It is a reasonable system, one which is giving good results and having been introduced should not be lightly set aside. Excellence in penmanship is a requirement for the Commercial diploma of the High school. Miss Minnie E. Reynolds succeeded Miss Reusch in September and has secured the interest and hearty cooperation of pupils and teachers. The latter have formed a class which meets twice a month for special work under Miss Reynolds. Some very excellent results are being secured.

No-School Signal.

A "no-school signal" has been adopted to go into effect at the beginning of the year. The signal, four rounds of two blasts (2—2—2—2) will be sounded by the fire alarm whistle; at 7.20 A. M. to indicate no session of the High school; at 7.50 A. M., no session of the grades; and if blown at 11.20, the work will be continued until 12.40 in place of the afternoon session. It is intended that this signal shall be given only at such times as will be best for pupils to remain in their homes and hazardous to their health to go to school. The judgment of no one is infallible, the vagaries of New England weather are unaccountable, and for these reasons some errors in giving this signal are unavoidable. It is assumed that older pupils can attend when it would be unwise for the younger ones to attempt it. Parents must use their discretion in sending such pupils. Only once or twice in a normal year is there a storm of sufficient severity to warrant closing the High school.

Census.

The method of taking the school census has been changed by State law. Records of the census under the former system were kept in a book; now the data is taken on slips and then transferred to office cards. The following facts are required; The name of the child, the sex, date and place of birth, defects if any, the name of the parent or guardian, place of birth of parent, date of the record, the residence of the child, the school last attended. When the child leaves school to work, the date of the employment certificate is entered upon the office card. It is the object of this system to keep in close touch with every child in the state, and if not in school to know why.

The attendance officers have been called upon in several instances to investigate cases of continued absence and non-attendance. It would seem that ignorance of the law rather than the attempt to evade it has in most cases been responsible for the violation. Every child under fourteen years of age, unless physically or mentally incapacitated, must attend day school regularly. Also "every child under 16 years of age who has not received an employment certificate—or has not the written permission of the Superintendent of Schools of the city or town in which he resides to engage in profitable employment at home, shall attend school during the entire time the public schools are in session." The number of certificates issued is very much larger than under the old law, since everyone between the ages of 14 and 21 employed in a factory or mercantile establishment must have a certificate. The number issued has been slightly in excess of two hundred. Acts of 1913, Chapter 779, Sec. 1.

The State's retirement system for teachers has been in operation eighteen months. Under the provisions of this law a teacher who has taught in the public schools of this state prior to July 1, 1914, may join the association or not as she chooses. Any teacher entering the service after this date must of necessity become a member, subject to monthly assessments. These assessments are fixed at 5 per cent of the salary, although no teacher pays less than \$35, or more than \$100 per year. These

assessments are deducted from the teacher's salary and sent by the Town Treasurer to the Secretary of the Retirement Board at the State House. Of our twenty-eight teachers, four became members voluntarily and nine have become members by subsequently entering the service.

In conclusion, I wish to express my appreciation of the cordial cooperation of the School Committee, of the loyalty of the teachers, and of the generous support given to our schools by the citizens of Billerica. In this period of transition and unsettled conditions, the forbearance, cooperation and kindly criticism of friends of the schools are asked.

Yours respectfully,

EUGENE C. VINING.

December 31, 1915.

REPORT OF SUPERVISOR OF PENMANSHIP

TO MR. E. C. VINING,

Superintendent of Schools:

The schools in Billerica were well started in muscular movement writing when I commenced my work in September.

The progress has been very satisfactory to me. Your teachers have worked not only loyally but enthusiastically and have inspired the same enthusiasm in the pupils, many of whom are spending much time on their writing outside of school hours.

The broken up condition of the schools for several weeks owing to the epidemic has, of course, retarded the progress, especially in the lower grades.

The following is a brief outline of the work for the year:

All grades above the second are expected to secure the Palmer Button for the first twenty-five drills.

All grades above the fifth are expected to write the first hundred drills acceptably and some pupils in the seventh and eighth grades may try for a Palmer Certificate.

The pupils in the High school should secure the certificate.

Most of the children in the first grade are beginning to write simple words with good arm movement. They are expected to learn the forms of the small letters, a few capitals, the figures, and write easy words.

The second grade will follow the same outline and give more time to the capitals and sentence writing.

The third grade children have written drills 1--20 in the Palmer Method book and are expected to write not less than twenty-five more.

The fourth grades have written drills 1-20 and should write as far as drill 54.

The fifth grades have worked on drills 1-30 and have secured ten Palmer Buttons. They should write drills 1-100.

The sixth grades have written drills 1-30 and have secured sixteen buttons.

The seventh grades have written drills 1-33 and have forty buttons, while eight have had the first hundred drills accepted and have the progress pin.

The eighth grades have written drills 1-33 and have thirty-two buttons and eight progress pins.

In the High school the aim has been to secure perfect letter forms as well as speed in order to obtain the Final Certificate.

Three of the pupils should have credit for securing the certificate last year.

MINNIE E. REYNOLDS,
Supervisor of Penmanship.

January 10, 1916.

REPORT OF SUPERVISOR OF MUSIC

MR. EUGENE C. VINING,
Superintendent of Schools,
Billerica, Mass.

Dear Sir: I herewith present my report for the music department of the schools of Billerica.

I am much pleased with the work the grades are doing. The first essential in school music is the tone quality. In most of the rooms it is very good. The daily vocal drills for breath support and placing the tone can make or mar this, consequently they cannot receive too careful attention. Realizing its importance, considerable time is spent on this side of the work. The results I notice from week to week are very gratifying and reflect great credit upon the teachers. We are glad to report a gain in the monotone voices in the first grade last year. From September to June more than 50 per cent of the children had either overcome this trouble or showed marked improvement.

Last year the pupils of the Talbot school gave a little operetta very successfully; this netted a good sum and enabled us to purchase a Victrola and a piano. The Victrola is greatly enjoyed by both pupils and teachers. It is used in all the rooms as time permits and we trust it will help the children to appreciate what is best in music. The records have been carefully selected with due consideration for every grade.

After several years with no music in the Howe school, it was again started last year for the first and second year students. A few choruses were studied and a beginning made. This year

I notice quite an improvement in the reading and I hope to be able to report a great gain before the year is finished. Of course our time allowance is of necessity short. One lesson a week for untrained voices is very little, when we consider that a church choir of trained singers would never consent to one rehearsal a week of not more than forty minutes.

I have taught in high schools where we have been able to maintain a glee club and a school orchestra very successfully, it is my ambition that sometime this may be possible in our high school.

I wish to thank the teachers for their faithful work in my department, also the Superintendent for his cooperation.

Respectfully submitted

MARY B. RAYNES,

Jan. 4, 1916.

Supervisor of Music.

REPORT OF THE SUPERVISOR OF DRAWING

TO MR. E. C. VINING,
Superintendent of Schools,
Billerica, Mass.

I herewith submit to you my report of drawing:

Children are sent to school that the mind may be trained. It is also important to train the eye and the hand. Drawing is the best means of this training. It trains the eye to see and the hand to execute correctly.

In the fall and spring, when Nature is at its best, drawing is taught for its value in the study of Nature. Through the rendering of landscapes, trees and flowers in pencil and color, children learn to appreciate the beauty of these things in Nature.

Drawing teaches the children to express the facts of form, the appearance of form and to see and express the pictorial appearance of objects. This helps them to appreciate the art of pictorial illustrations and pictures seen in books and magazines.

Decoration and design is studied. The beauty of form, line, and design adds greatly to the object. It is also studied to help the children to appreciate it as applied to the home—to exteriors and interiors—to textiles, and to rugs.

The work has progressed satisfactorily and I am very much pleased with the enthusiasm of both teachers and pupils.

In closing, I desire to express my appreciation to all who are associated with me in my work for the courtesy and co-operation received.

Respectfully submitted,

GERTRUDE J. NASON.

REPORT OF SUPERVISOR OF SEWING

MR. EUGENE C. VINING,
Superintendent of Schools,

I herewith submit my report of work for the year 1915.

The plan of instruction in the simple sewing stitches and practice in these on small articles, such as bags, aprons and underwear, has been carried forward in the three higher classes of the grammar schools.

It is not possible to show every way in which the different stitches are used, but an idea of the general purpose of each can be given, with which the intelligent pupil can carry on advanced work at home with the help of an adult.

Home work is encouraged, and many pupils do equally good work at home and during class, while others, who have found needlework tedious, do not get as good results from the outside practice.

Through the interest of Mrs. Margaret Wright, a sewing contest was held in the seventh grade of the Pollard school, on the last sewing-lesson. The prizes were offered by Mrs. Wright and won by Sybil Messer and John Holman.

Many of the girls at the Talbot school made their costumes for the operetta which was given late in May.

Respectfully submitted.

AMY L. CORKUM.

REPORT OF THE INSTRUCTOR OF MANUAL TRAINING

MR. EUGENE C. VINING,
Superintendent.

Nearly one hundred boys from the sixth, seventh and eighth grades are now taking manual training and it is gratifying to note the good progress being made among so large a percentage of the classes.

The lazy and indifferent pupil is found in this department of education as in the class room, but I am happy to say that the instances are few. Generally the concrete nature of the work accomplishes an agreeable change in the boy's attitude by the visible results of shiftless, careless methods.

After one or two sharp lessons of this kind for which he begins to realize he has only himself to blame, he commences to make greater pains with consequently pleasing results.

Many useful articles are now being constructed by the boys and are well and strongly put together.

It is my purpose to eliminate all useless pieces of a purely ornamental nature, not, however, neglecting ornament when it can be combined with utility.

At the end of the school year the need of increased room for classes at the Talbot school obliged us to give up our pleasant room there and at the beginning of school in September the manual training equipment was placed in the vacant building formerly used as a machine shop by Mr. O. P. Greenwood at the Center.

The building has been made quite comfortable with two large stoves and in spite of the lack of many conveniences the work is going ahead with undiminished interest and all are cheerfully waiting for the time when we shall move into the commodious rooms in the new High school.

With cordial appreciation of the cooperation given by Committee, Superintendent and Teachers the past year, I am

Sincerely yours,

PHILIP E. PERRY.

REPORT OF MEDICAL INSPECTOR

To the School Committee of Billerica:

Gentlemen:

I beg to submit my report upon the examination of the pupils in your public schools for the past year.

During the year I have made examinations of several of the pupils who have been referred to me by the teachers.

The Talbot School was, during the summer vacation, thoroughly renovated, and was put in a most cleanly condition.

During the latter part of the Fall term an epidemic of Diphtheria broke out among the pupils of the Talbot School, which necessitated the closing of all the schools, during which time the Talbot was thoroughly fumigated and the walls, floors, and desks scrubbed with soap and water.

The schools were then opened upon the advice of several authorities and the pupils in all the schools were examined daily, with special attention given to the nose and throat.

In this work I was assisted by Dr. Neil K. Forhan for five days at the Talbot School and one day at the Pollard School.

I followed up this examination for a period of three weeks until the Christmas recess, and then for one week after schools opened again.

Cultures of all the throats were taken during the first week, teachers and janitors included, and these cultures were sent to the State Board of Health for examination.

During the other weeks cultures were only taken from cases which appeared suspicious. Several of these cultures showed that some of the pupils, while seemingly well, were carriers, that is, there were Diphtheria Bacilli in their throats or noses which were liable to be transferred to another child, by which he or she might develop a serious case of Diphtheria.

During this period of examination I was assisted by a trained nurse.

By these means we were able, I think, to stop the spread of the disease more readily than we could in any other way, for a pupil being found to be a carrier or to be infected with the disease was immediately sent home and quarantined and kept there until his nose and throat were found to be free from the germs.

Many thanks are also to be given to Dr. C. E. Simpson, of the State Board of Health, for his many kindly suggestions and helpful advice, and also for his very interesting talks both at the Town Hall and at the Talbot Memorial Hall.

I would most strongly advise the election of a school nurse, for she can go into the families and explain matters to them when it would be imprudent for the examining physician to do so.

In making my complete physical examination of the pupils I found many cases of non-vaccination, also of enlarged tonsils and pedeculi capitis.

Following is a list of the results of my examination:

Adenoids	4
Enlarged tonsils	65
Pedeculi capitis	36
Impetigo contagiosa	7
Bad teeth	9
Not vaccinated	88
Eczema	1
Acute Coryza	4
Acne	3
Chorea	4
Birth Palsy	1

Respectfully,

MAURICE A. BUCK, M. D.

CORPS OF TEACHERS, JANUARY 1, 1915

HOWE HIGH SCHOOL

Eugene C. Vining, Prin.....	1901	Bowdoin College A. B., Tufts A. M.
Stella M. Osgood	1915	Wellesley A. B., Boston University A. M.
Blanche Jones	1915	Burdette College.
Mary J. Edmands	1914	Boston University A. B.
Edith C. Burchell	1915	Boston University A. B.
Annette B. MacKnight	1915	Tufts A. B.

POLLARD SCHOOL

Lewis A. Sheafe, Prin.	1915	Clark College, 2 years.
Elizabeth Stone	1912	Bates College, 1 year.
Thurza M. McElman	1912	Howe School.
F. Marion Bailey	1913	Hyannis Normal.
Grace L. Knowles	1899	Howe School.
Katrina H. Bryant	1914	Farmington Normal.
Martha F. Page	1895	Salem Normal.
Hazel L. Wilcox	1915	Wheelock Kindergarten.

TALBOT SCHOOL

Beniah F. Harding, Prin. ..	1898	Maine Central Institute.
Minnie S. Dyson	1910	Lowell Normal.
Kathleen M. O'Hearn	1915	Lowell Normal.
Alice W. Higgins	1913	Lowell Normal.
S. Madeline Earle	1915	Lowell Normal.
Rita M. Collins	1915	Lowell Normal.
Kathryne G. Dewire	1912	Lowell Normal.
Mary H. Ort	1909	Lowell Normal.

RICHARDSON SCHOOL

Anna J. Masterson	1915	Lowell Normal.
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SUPERVISORS

J. Gertrude Nason	1909	Drawing.
Mary V. Raynes	1912	Musie.
Philip E. Perry	1913	Manual Training.
Amy L. Corkum	1913	Sewing.
Minnie E. Reynolds	1915	Penmanship.

GRADUATES OF 1915

HOWE HIGH SCHOOL

Grace D. Biggerstaff	William J. Lyons
Bernice A. Dole	Florence E. Nason
Rachel M. Farmer	Doris Perry
Richard F. Hadley	J. Dana Richardson
Helen F. Hentz	Russell S. Turner
Theresa Lyons	Alice Verner

POLLARD SCHOOL

Ralph Barton	Max Morley
Elwood Brewster	Melvin Morris
Jennie Corliss	Thomas Murphy
Frank Dignon	Herbert Patterson
George Dignon	John Perry
Nellie Farmer	Ramond Schmelzer
Ina Foster	Victor Schult
Albertha Harper	Ruth Smith
Doris Hubbard	Phila Strout
Lucy Hudson	Wilfred Thayer
Maud Larratt	Ralph Varney
Anna Lenine	John Verner
Fred Letteney	Ruth Van Valkenburgh
John Manning	

TALBOT SCHOOL

Charles Buckley	Agnes Hayes
Frances Carlson	Alice Lutender
Catherine Coffey	Francis Lyons
Bertha Corson	Richard McCullough
James Delmege	Ellen McNulty
Rita Fairbrother	Ida Ouilette
Jennie Glass	Alice Walker

FINANCIAL STATEMENT

BILLERICA SCHOOL DEPARTMENT

Assets

Balance	\$ 2,655.86	
Appropriation [.....	25,000.00	
State aid	500.00	
Dog tax	295.00	
Sale of tickets	38.70	
		<hr/>
		\$28,489.5
Expenditures		27,765.6
		<hr/>
Balance		\$723.8

EXPENSES OF INSTRUCTION

Salaries

A. B. Webber, Supt. Jan.-June	\$528.00	
E. C. Vining, Supt. July-Dec.	200.00	
E. C. Vining, Principal High School ...	1,300.00	
Elementary Principals	1,990.00	
High School Assistants	2,600.00	
Elementary Teachers	7,725.00	
Supervisors	1,957.00	
		<hr/>
		\$16,300.00

Enforcement of Law, Etc.

Attendance Officers	\$50.00	
Middlesex Training School	39.00	
Census	50.00	
A. B. Webber, expenses	60.00	
		<hr/>
		\$199.00

Text Books—High School

Schoenhoff Book Co.	\$1.43
White, Smith Co.	2.80

Chas. E. Merrill	6.72	
Cable Co.	3.50	
A. N. Palmer	3.40	
American Book Co.	5.84	
Henry Holt Co.	60.00	
Longman, Green Co.	1.77	
Oliver Ditson	4.00	
J. L. Hammett	7.09	
Ginn & Co.	95.13	
Houghton Mifflin Co.	16.62	
D. C. Heath & Co.	31.81	
Express	3.71	
		<hr/>
		\$243.82

Text Books—Elementary

E. E. Babb	\$19.44	
Milton Bradley .....	.53	
Silver Burdett	22.10	
J. B. Lippincott .....	.90	
Thompson Brown Co.	3.90	
Macmillan Co.	30.75	
J. L. Hammett	25.28	
White, Smith Co.	3.00	
Ginn & Co.	151.79	
A. N. Palmer	10.84	
American Book Co.	14.42	
Chas. Scribner's Sons	35.90	
D. C. Heath & Co.	6.10	
Houghton Mifflin Co.	2.75	
McSweeney's express	26.71	
Express	9.97	
		<hr/>
		\$364.38

High School Supplies

Standard Carbon Ribbon Co.	\$6.25
Cambridge Botanical Supply Co.	9.61
J. L. Hammett Co.	14.10

Underwood Typewriter Co.	5.00	
A. N. Palmer Co.	8.00	
E. E. Babb Co.	124.21	
Oliver Typewriter Co.	6.25	
Milton Bradley Co.	35.15	
Express	2.46	
		<hr/> \$211.03

Elementary Supplies

Palmer & Parker	\$70.15	
J. B. Hunter Co.	33.28	
Kenny Bros. & Wolkins	50.27	
Donovan, Harris Co.	8.95	
G. C. Prince	5.25	
John W. McLean	3.00	
A. Dunlop	8.25	
Milton & Bradley	211.60	
John A. Richardson	47.85	
E. E. Babb	156.14	
Lyman Lawrence	4.02	
A. N. Palmer	17.60	
A. G. Pollard	3.25	
John S. Cheever	3.00	
P. Sutherland & Co.	29.44	
T. F. Lyons	10.62	
J. L. Hammett Co.	25.90	
Library Bureau	2.97	
Express	10.39	
		<hr/> \$701.93

OPERATING OF SCHOOL PLANT

Janitors

Frank S. Bartlett	\$790.00	
William Taylor	350.00	
Roger Barrington	200.00	
Edward D. Costello	50.00	
Chester B. Ketchen	35.00	
Henry D. Livingston	80.00	
W. T. Jennings	1.80	
		<hr/> \$1,506.80

Fuel

Elmer E. Cole	\$1,485.00	
Courier-Citizen, advertising bids	3.00	
Sears J. Cook	23.38	
Henry Shuman	7.75	
J. F. Finnegan	24.00	
	<hr/>	\$1,543.13

Miscellaneous

Lowell Electric Light Co.	\$32.22	
Page Chemical Co.	1.50	
Water department	139.77	
T. J. Baker	2.50	
Uno Ohlson	2.75	
Bell Hardware Co.	1.12	
State boiler inspector	6.00	
Norman C. Haynes	48.00	
N. E. T. & T.	65.24	
H. G. Watts	1.05	
Frank Harrington	23.00	
West Disinfecting Co.	22.50	
C. L. Burton	3.95	
R. T. Perry .....	.90	
E. N. Bartlett	20.00	
John S. Cheever	56.75	
E. E. Babb	7.35	
Isaac Newell	10.00	
Bartlett & Dow	3.84	
J. T. Finnegan	12.50	
J. B. Hunter	24.53	
	<hr/>	\$485.47

Maintenance Repairs

M. J. Dutton	\$2.00
McCosker	89.00
P. G. Dockham	3.00
Thomas A. Ellis	113.50
T. Emery Smith & Son	143.09

F. S. Bartlett .....	.65	
Bartlett & Dow	11.54	
Norris Millbury	10.80	
Lowell Wall Paper Co.	2.00	
Frank A. Donnelly	30.00	
E. A. King	36.68	
William C. Robinson	20.20	
Thomas Lydon	51.54	
John A. Richardson	3.27	
Oscar Fellows	1,034.50	
T. J. Harrington	7.00	
C. B. Coburn	39.29	
Walker & Pratt	1.50	
James A. Sanson	91.60	
Pratt & Forrest	7.32	
John S. Welsh	4.10	
John Desmond	125.00	
William A. Corey	397.00	
M. H. & T. H. Elligott	89.15	
Martin Shallow	10.00	
E. E. Smith	3.34	
James Stanley	2.50	
		<hr/> \$2,329.57

AUXILIARY AGENCIES

Health

F. H. Thomas Co.	\$7.73	
J. L. Hammett	23.00	
Neil K. Forhan	30.00	
		<hr/> \$60.73

Transportation

Bay State St. Ry.	\$1,431.00	
Middlesex & Boston Ry.	210.00	
C. E. Nuttall	519.00	
		<hr/> \$2,160.00

Miscellaneous Expenses

J. R. Barnstead	\$5.00	
F. E. Lyle	7.50	
Parkhurst Press	6.00	
ating Piano Co.	2.20	
Trustees Howe School	688.50	
Sarah A. Spiller	69.60	
Bumford Supply Co.	4.09	
J. W. Martin	11.40	
W. Bradley Whitney	15.00	
Billerica Printing Co.	25.50	
Wright & Potter .....	.50	
Diploma ribbons	1.95	
nsurance	5.00	
Express	9.47	
J. G. Morey	1.30	
Hibbard's orchestra	13.60	
		<hr/>
		\$866.61

New Equipment

J. L. Hammett	\$16.31	
Kenney Bros. & Wolkins	390.05	
Oliver Typewriter Co.	160.00	
E. Howard	7.50	
J. B. Hunter	31.84	
H. J. Harwood's Sons	187.50	
		<hr/>
		\$793.20



BILLERICA PUMPING STATION

Seventeenth Annual Report

OF THE

Water Commissioners

OF THE

Town of Billerica, Mass.

For the Year Ending December 31, 1915

Seventeenth Annual Report of Water Commissioners

DECEMBER 31, 1915

STOCK ON HAND JAN. 1, 1916

MAINTENANCE

25 Ton Coal \$ 127.50

CONSTRUCTION

Main Pipe and Fittings

17,712 lbs. 12 in. Pipe	
7,320 lbs. 10 in. Pipe	
8,280 lbs. 8 in. Pipe	
7,680 lbs. 6 in. Pipe	
40,992 lbs. at \$24.80 per ton	\$ 508.30
1 12 by 10 T	\$ 10.45
20 8 by 6 T	104.40
10 6 by 6 T	42.80
10 10 by 6 T	71.30
6 12 by 6 T	51.30
4 6 in. 1/8 bend	10.44
5 6 in. 1/16 bend	13.05
1 10 to 8 reducer	3.56
12 6 in. Plugs	6.00
2 10 in. Gates	36.00
3 8 in. Gates	45.00

12 6 in. Gates	132.00	
1 Smith Sleeve	23.10	
	<hr/>	\$ 449.40
2,000 lbs. Lead	120.00	
550 lbs. Jute	27.50	
	<hr/>	\$ 147.50

Meters

8 Empire Meters	85.20
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Service Piping

18 Corporations Complete	\$ 32.40	
12 Curb Stops	13.20	
12 Stop and Wastes	21.00	
1100 ft. C. L. Pipe 1 in.	110.00	
100 ft. C. L. Pipe 2 in.	20.00	
20 Service Boxes	16.20	
	<hr/>	\$ 212.80
		<hr/>
		\$1,403.20
		<hr/>
Total		\$1,530.70

MAINTENANCE ACCOUNT

RECEIPTS

Appropriated by Town for Hydrants	\$3,500.00	
Meter Rates	6,740.43	
Guarantees	704.05	
Faucet Rates	2.33	
Sundry Accounts	6.12	
	<hr/>	\$10,952.93

EXPENSES

Sundry:	
McIntire and Wilson, legal	
advice	\$ 7.00
E. F. Twombly, use of auto	44.00
N. E. Tel. & Tel. Co.,	
telephones	149.92

O. P. Greenwood, salary	234.71	
Robert S. Weston, bal. on special report	1.50	
Billerica Printing Co., print- ing	46.50	
Courier-Citizen Co., notices	7.50	
Office supplies, envelopes, etc.	105.03	
E. A. Comer and Co., new books	36.75	
	26.10	
	<hr/>	\$ 659.01

Pumping Station:

H. L. Eaton, salary	\$1,275.00	
Robert Tivey, wages	210.67	
A. L. Cadey, wages	75.00	
Harold Eaton, clean flues	4.00	
Boston & Maine R. R., freight on coal	169.09	
Boston & Maine R. R., demurrage	7.00	
H. N. Hartwell & Son, coal	1,029.75	
J. A. Ruth, teaming coal	137.32	
New Eng. Tel. & Tel. Co.	16.93	
W. A. Wood & Co., oil	47.61	
B. W. Kearney, teaming	2.50	
Boston & Maine R. R., misc. freight	2.35	
McSweeney's Express .....	.40	
Miscellaneous Expenses	2.65	
Talbot Mills, steam valve, re- pairs, etc.	19.24	
Labor, on weekly payroll	17.50	
	<hr/>	\$3,017.01

Distributing System:

E. E. Smith, supplies	\$ 1.65
M. Hayes, team	2.00
E. A. King, supplies	98.22
Boston & Maine R. R.,	

freight	2.35
Talbot Mills, repairs and machining	10.01
C. B. Coburn, paint	15.82
H. R. Barker, water gauges	6.00
Allen Auto Co., gasoline	2.88
E. E. Smith Co., wrenches	1.00
B. W. Kearney, teaming	1.50
C. L. Burton, work on auto, spring, etc.	7.05
Fisk Rubber Co., tires	17.95
Ludlow Valve Co., wrenches, hydrant parts	19.45
B. F. Goodrich Co., tires	21.35
C. H. Morley, water bottle to Station	2.50
American Express Co.	1.72
City Hall Garage, auto rent	18.00
O. DiBerto, blacksmith work	1.50
Howard Street Garage, re- pairs	5.40
Lowell Electric Lt. Corp., charge battery .....	.90
Bartlett & Dow, screw driver .....	.58
Upton & Gilman, auto repairs	2.30
J. C. Evans, gasoline tank	12.00
F. A. Casey Co., acct. auto	68.17
D. Dewire, team	10.00
J. A. Richardson, lumber	30.78
O. P. Greenwood, Presto tank, supplies	18.48
T. A. Ellis, supplies, fittings	5.33
Hoffecker Co., speedometer wheel .....	.75
J. C. Evans, pair headlights	8.00
Geo. Stowers, salary	408.20
Geo. Stowers, car fares	34.62
Labor, weekly payroll	646.54
	<hr/>
	\$1,483.00

Meters:

Union Water Meter Co., repairs	\$ 12.50	
National Meter Co., meter tester	100.00	
Lowell Water Works, re- pairs, cleaning and test- ing	128.13	
Geo. Stowers, salary	15.31	
Labor, weekly payroll	42.00	
	<hr/>	\$ 297.94
Interest Jan. 1, 1915 to Jan. 1, 1916		\$4,938.75
Material on hand Jan. 1, 1915		105.00
		<hr/>
		\$10,500.71
Less material on hand Jan. 1, 1916		127.50
		<hr/>
		\$10,373.21
Maintenance receipts	\$10,952.93	
Maintenance expenses	10,373.21	
	<hr/>	
Maintenance profit	\$ 579.72	

CONSTRUCTION ACCOUNT

RECEIPTS

Service Piping	\$1,900.03	
Meters	560.10	
	<hr/>	\$2,460.13
Additions and Extensions:		
Perrin & Seamans, lead furnace grate	\$.75	
G. C. Prince, drawing supplies	11.35	
Geo. Stowers, car fares	2.75	
J. E. Poole, pulley hook, sharpen picks	1.40	
Standard Oil Co., gasoline	8.40	
St. John's Hospital, acct. Wm. Phair	42.67	
Wm. Phair, liability adjustment 2/3 pay	88.00	
Dr. Forhan, acct. Wm. Phair	45.00	

C. H. Williams, expenses acct. Act authorize additional Bond issue	15.00	
O. P. Greenwood, contracts, specifications, and copies	6.00	
Thompson Hardware Co., tape measure, rope	5.40	
H. L. Bond Co., lead furnace	98.00	
Miscellaneous expenses	3.74	
		\$ 328.46
J. J. Evans, 8 in. gates	60.00	
R. T. Perry, oil	1.74	
J. J. Evans, laying mains as per contract	1,910.19	
J. J. Evans, further payments on 1914 work	345.84	
Kennedy Valve Co., gates and hydrants	959.00	
O. DiBerto, taking out ledge Corthell Road	110.00	
O. DiBerto, sharpening drills, picks, etc.	109.36	
City Hall Garage, auto rent	28.00	
Bay State St. Ry. Co., lights at tie in.	1.10	
H. G. Watts Co., picks, lanterns, oil, etc.	46.92	
Thompson Hardware Co., hammer handles .....	.88	
Warren Machine & Foundry Co., pipe ..	2,699.38	
Builders Iron Foundry Co., fittings	43.35	
B. W. Kearney, teaming	2.50	
Isaac Hopkinson, teaming pipe at \$1.25 per ton	171.39	
Pitts Auto Supply, supplies for auto	31.79	
Boutwell Bros., hammers	1.70	
Bartlett & Dow, hammers	1.00	
Underhay Oil Co., oil	11.20	
Mrs. J. O'Brien, railroad ties	2.48	
Chadwick Boston Lead Co., lead and jute	1,021.20	
Perrin, Seamans & Co., picks, crowbar, exploders, dynamite	125.86	
Anglo Saxon Supply Co., bars and drills	89.73	

Lowell Water Works, labor and stock on tie ins	182.55
O. Fuller, sharpen drills	4.95
Lowell Buick Co., auto repairs	44.38
Standard Cast Iron Pipe and Foundry Co., pipe	2,540.61
J. A. Richardson, tile	12.80
B. F. Goodrich Co., tires	8.25
Allen Auto Co., gasoline	3.51
E. A. King, supplies, shovels, etc.	66.30
L. A. Derby, lamp cord	7.75
E. E. Smith Co., picks, etc.	6.68
F. A. Houdalatte & Son, pipe	2,152.80
M. Elwood, oil and chimneys	1.90
A. G. Pollard, rubber boots	9.00
Standard Oil Co., gasoline	19.80
B. W. Kearney, teaming pipe	57.01
Boston & Maine R. R., freight	212.71
D. J. Dewire, teaming	16.25
Martin Service, signs	4.00
Geo. Stowers, car fares	3.15
Labor paid on weekly payroll	4,022.98
	<hr/>
	\$17,151.99

Service Piping:

Thos. Lydon, fittings and labor	\$ 36.46
McSweeney's Express	1.00
American Express Co.	14.01
B. F. Goodrich Co., tire	8.00
Braman & Dow Co., stop and wastes, curb stops, etc.	66.58
Boutwell Bros., steel cutter	4.17
City Hall Garage, auto rent	10.00
H. Mueller Mfg. Co., stop and wastes, curb stops, sidewalk boxes, etc.	628.86
Summer & Gerald Co., cement lined pipe	330.86
Boston Pipe & Fittings Co., fittings	27.31
Kennedy Valve Co., gate boxes	6.00
Upton & Gilman Co., repairs on auto	8.50

T. A. Ellis, fittings	8.47	
John Desmond, repairing cellar wall	16.00	
Lowell Buick Co., repairs on auto	7.00	
Middlesex Machine Co., fittings and labor making specials	57.23	
Boston & Maine R. R., freight	11.39	
Boston & Maine R. R., freight .....	.64	
Geo. Stowers, salary	179.68	
Geo. Stowers, car fares	6.72	
Labor, weekly payroll	1,180.59	
	<hr/>	\$2,609.47

Meters:

National Meter Co., meters	\$ 133.47	
Boston & Maine R. R., freight .....	.88	
	<hr/>	\$1,034.35

Construction	\$21,125.27	
Payments on Additional Wells	5,239.28	
	<hr/>	
Total Construction		\$26,364.55

CONSTRUCTION ACCOUNT TO JAN. 1, 1916

Cost of Works to Jan. 1, 1915		\$145,358.82
Expended Jan. 1, 1915 to Jan. 1, 1916 ..	\$26,364.55	
Materials on hand Jan. 1, 1915	1,986.08	
	<hr/>	
	\$28,350.63	
Receipts Jan. 1, 1915 to Jan. 1, 1916	\$ 2,460.13	
Materials on hand Jan. 1, 1916	1,403.20	
	<hr/>	
	\$ 3,863.33	
..		\$ 24,487.30
	<hr/>	
Cost of Works to Jan. 1, 1916		\$169,846.12

ADDITIONAL WATER SUPPLY

Appropriated \$1,500.00

Expended

E. F. Hughes, testing for
water 616.69E. Worthington, engineer-
ing services 138.22

Labor, weekly payroll 182.90

\$ 937.81

Unexpended balance

\$ 562.19

Bonds issued for

\$10,000.00

Expended

Wm. R. Connard, inspection of pipe \$ 12.64

A. G. Pollard, rubber boots 11.92

Builders Iron Foundry, special fittings 368.75

H. L. Bond & Co., pump and tools 183.76

Kennedy Valve Mfg. Co., gates 82.50

Perrin, Seamans & Co., wheelbarrows 13.34

E. Worthington, Engineering services
and inspector 119.83

Lowell Water Works, plugs 4.00

Est. of Dan'l Callaghan, land 600.00

J. J. Evans, stock and labor driving wells 1,909.64

B. Y. Kearney, teaming gravel 77.50

Labor, weekly payroll 909.28

Miscellaneous Expenses 8.31

Pipe and stock for connecting to wells 1,006.20

\$5,307.67

Unexpended balance

\$4,692.33

REPAIRS AT PUMPING STATION

Appropriation		\$1,200.00
Expended:		
John A. Richardson, lumber for floor	\$ 337.98	
Nap. D. Lafleur, hardware, fittings	74.02	
Ed. Luke, painting station	65.30	
Dove Machine Co., pump, repairs	246.35	
Chain Hoist	24.00	
Labor laying floor and ventilators	400.75	
F. G. Morey & Co., cement	7.00	
Miscellaneous supplies	5.15	
	<hr/>	\$1,169.55
Unexpended balance		<hr/>
		\$ 39.45

FINANCIAL STATISTICS

RECEIPTS.		EXPENSES.	
A Fixture Rates..\$	2.33	CC Total Main-	
B Meter Rates....	6,591.22	tenance ...\$	5,456.96
C Total Rates from		DD Interest on	
Consumers ...	\$ 6,593.55	Bonds	4,938.75
D Hydrants	3,500.00	EE Station Re-	
G Public Build-		pairs	1,160.55
ings	149.21	FF Pump Re-	
H Total from		pairs	572.17
Municipal De-		GG Truck	1,000.00
partments	3,649.21		\$13,128.43
I Guarantees	704.05	Construction:	
J Sundry Accts...	6.12	HH Extension of	
L Service Piping..	1,900.03	Mains	\$16,475.25
M Meters	560.10	II Extension of	
N Total Miscel-		Services ...	2,609.47
laneous Accts.		KK Extension of	
from Consum-		Meters	1,034.35
ers	3,170.30	LL Pipe to Wells	
	\$13,413.06	and New	
Bal. Bonds Jan.		Wells	6,245.48
1, 1915	\$ 4,469.34		26,364.55
Billerica Gar-			\$39,492.98
den Suburb			
Balance	462.65	Balance Station Ap-	
Appropriation		propriation unex-	
Truck	1,000.00	pended	\$ 39.45
Station Repairs		Balance Increase	
Appropriation	1,200.00	Water Supply Ap-	
Bal. Pump Ap-		propriation unex-	
propriation ...	572.17	pended	562.19
Increase Water		Balance (Bond) for	
Supply Appro-		Additional Wells,	
priation	1,500.00	supply	4,692.33
Bonds, New		Balance (Bond) for	
Wells, supply.	10,000.00	Extension of Mains.	2,161.20
Bonds, Water		Balance on hand in	
Main Exten-		Treasury	669.07
sion	15,000.00		\$47,617.22
	\$47,617.22		
Overdraft Jan. 1, 1915..	\$1,433.03		
Surplus Jan. 1, 1916....	669.07		
Actual Overdraft at			
date Jan. 1, 1916.....	\$ 763.96		

PUMPING STATION RECORD, JAN. 1, 1915—JAN. 1, 1916

MONTHS	Days Pump in Operation	Time Pump in Operation H. M.	Average Per Day	Gallons Pumped	Average Per Day	Daily Consumption Gallons	Pounds of Coal Used		
							For Pumping	For Fire Protection	Total
January	31	179 0	5 46	6,233,027	201,065	201,065	35,735	8,876	44,611
February	28	168 0	6 0	5,271,407	188,264	188,264	30,100	8,115	38,215
March	31	190 30	6 08	5,920,886	190,996	190,996	32,920	8,881	41,801
April	30	202 15	6 44	6,407,319	213,577	213,577	35,676	8,390	44,066
May	31	216 0	6 58	6,725,550	216,953	216,953	35,780	8,785	44,565
June	30	324 45	10 49	8,121,041	270,701	270,701	42,920	8,490	51,410
July	31	265 45	8 34	8,232,345	265,559	265,559	42,275	8,451	50,726
August	31	295 15	9 31	11,465,708	369,861	369,861	49,815	8,369	58,184
September	30	339 15	11 18	8,864,902	295,496	295,496	46,260	8,510	54,770
October	31	338 0	10 54	8,777,923	283,158	283,158	47,230	8,404	55,634
November	30	267 0	8 54	7,396,350	246,545	246,545	39,495	8,690	48,185
December	31	326 0	10 30	8,201,854	264,575	264,575	45,020	8,885	53,905
Totals	365	3,111 45	95 35	91,618,312	3,006,750	3,006,750	483,226	102,846	586,072
Monthly averages ..	30.4	259 15	7 58	7,634,859	250,562	250,562	40,268	8,570	48,839

DESCRIPTION	Distance Feet In.	Cost	Water Receipts Jan. 1, '15 to Jan. 1, '16	% Cos
Construction as per 1909 and additions		\$92,837.36	\$5,706.18	6.2
High Street, 1909		1,073.44	51.82	4.8
High Street, 1913-14		5,845.10	100.78	1.7
Pond Street, 1909		1,401.83	12.56	.89
Andover Street, 1909		273.06	13.26	4.8
Call Street, 1910		331.00	12.00	3.6
Blanchard Street		501.00	12.00	2.3
Higgins, 1912		223.53	12.00	5.3
Chelmsford, 1912		2,443.00	25.57	1.
Boston Road, 1913		12,556.69	68.47	.54
Bedford Road, 1913		12,990.45	171.56	1.3
Spring Street, 1913		660.52	6.00	.9
Wyman Road, 1913		2,549.54	45.48	1.7
Allen Road, 1913		596.72	12.00	2.
Webb Brook Road, 1913		2,238.28	19.79	.8
Twombly Ave., 1913		763.24	24.00	3.1
Arcadia Hillside and Allen. Hawes		3,134.70	71.19	2.2
.....		223.05	18.00	8.
Billerica Garden Suburbs ..		2,059.55	85.74	4.1
Verhan Road		424.56	23.00	5.4
High Street—Coldwell		341.51		
Colson Heights		192.85		
McElligott			22.44	
Bridge (Bartlett Kemp)	618	586.64	12.00	2.
Chadwick Street	750	764.37	19.99	2.6
Corthell Road, No. 1	598	869.83	31.56	3.8
*Wallace Road		53.30		
Corthell, No. 2	479.5	437.27	12.00	2.7
Lowell Road	411	405.06		
Billerica Ave.	2,077	2,429.86	13.74	.56
Richardson and Whiting Sts.	1,619.5	1,253.07	6.33	.5
Railroad Street, 2 in.	399	194.15	6.00	3.
Holt Street	532	575.44		
Webb Brook, 1915	441	437.50	12.00	2.7
Allen Road, 1915	835	763.62	12.00	1.5
Bridge and Bridle	1,027	901.62	12.00	1.3
*Lexington Road	1,491	1,338.51		
Maple Street	390	514.11	13.74	2.6
Salem Road	391	459.16		

SUMMARY OF STATISTICS FOR THE YEAR ENDING DEC. 31, 1915

Population by census, 1910: 2,817.

Date of construction: 1898.

By whom owned: Town.

Source of supply: Driven wells.

Mode of supply: Pumping to standpipe.

1. Builders of pumping machinery: Barr Pumping Engine Co.
2. Description of fuel used:
 - a. Kind: Bituminous.
 - Brand of coal: New River.
 - c. Average price of coal per gross ton delivered: \$5.10.
3. Coal consumed for the year: 586,072 lbs. For pumping only: 483,226.
4. Total pumpage for the year: 91,618,312 gallons, without allowance for slip.
5. Average static head against which pumps work: 299.52 feet.
6. Average dynamic head against which pumps work: 322.39.
7. Number of gallons pumped per pound of coal: For pumping only, 189.
8. Number of gallons pumped per pound of coal: Total coal used, 173.
9. Cost of pumping, figured on pumping station expenses: \$3,017.01.
10. Per million gallons pumped: \$32.92.

CONSUMPTION

1. Estimated population at date: 3,200.
2. Estimated population on lines of pipe: 2,700.
3. Population supplied: 2,230.
4. Total consumption for the year: 91,618,132.

5. Average daily consumption: 251,008.
6. Gallons per day to each consumer: 112.
7. Cost of supplying water, per million gallons, figured on total maintenance: \$58.84.
8. Total cost of supplying water, figured on total maintenance and interest on bonds: \$114.72.

DISTRIBUTION

1. Kind of pipe: Cast iron.
2. Sizes: From 4 inch to 12 inch.
3. Total now in use: 19.83 miles.
4. Number of hydrants (public and private) now in use: 185.
5. Number of main gates now in use: 122.
6. Number of blow-off gates: 3.
7. Range of pressure on mains: 54 lbs. to 125 lbs.

Respectfully submitted,

ISAAC HOPKINSON,
JOSIAH C. EVANS,
B. W. KEARNEY,

Water Commissioners.

Assessors' Report

Billerica, Mass., Jan. 26th, 1916.

To the Honorable Board of Selectmen:

The Assessors of Billerica submit the following report for 1915:

Value of Real Estate, April 1, 1915.....	\$4,112,076.00
Value of Personal Estate, April 1, 1915.....	1,330,803.00
<hr/>	
Rate of Tax per \$1,000.....	\$20.00
Number of Polls	911
Dwelling houses	1,152
Cows	660
Neat cattle other than cows.....	125
Horses	361
Swine	345
Number of fowls	9,792
Residents assessed on property	427
Non-residents assessed on property	1,638
Amount of tax levied for all purposes	\$110,679.58

EDWARD A. KING,
WILLIAM H. HUTCHENS,
WILLIAM H. SEXTON,

Assessors.

Treasurer's Report

December 31, 1915

CASH RECEIPTS

Non-Revenue

Bowers Fund, for reinvestment	\$ 1,500.00
Cemetery Trust Funds, for reinvestment	2,000.00
Thompson Fund, income	30.00
Anticipation Notes	20,000.00
Water Bonds	25,000.00
School Construction Bonds	63,000.00
Winthrop Faulkner Fund, income	42.50
Bowers Fund, income	597.00
Abbott Singing Fund, income	70.00
Cemetery Trust Funds	407.67
Sinking Fund income	2,246.00
	<hr/> \$114,893.17

Revenue

Taxes	\$108,342.13
Moth Assessment	638.61
Street Railway and Excise Tax	3,851.02
Interest on Taxes	988.13

\$113,819.89

Water Department 13,428.10

Commonwealth:

State Tax adjustment	\$ 7.78
Public Service	862.58
National Bank Tax	453.09
Business Corp'n	1,784.86

3,108.31

Department Income:

Janitor and Police	228.86
Street Ry. and Excise State Highway Tax..	3,448.39
State Aid	706.00
Incidentals	248.44
Interest	1,721.75
Highways	15.80
Tree Warden	20.00
Outside Relief	153.89
Schools	859.02
Assessors' Special	4.00
Moth Extermination	375.09
Macadam, Burlington Road	200.00
Macadam, Concord Road	2,187.59
Tuition, Industrial School	789.07
Town Farm	2,796.31
Fire Department	15.69
Maintenance of Halls	174.18
Shawsheen River Bridge	3,270.00
Cemeteries	936.71
	<hr/> \$148,507.09

CASH PAYMENTS

Non-Revenue

Bowers Fund, reinvested	\$ 1,642.51
Cemetery Trust Funds, reinvested	2,000.00
Cemetery Trust Funds	275.00
Abbott Singing Fund, income deposited	70.00
Cemetery Trust Fund, income deposited	30.00
Anticipation Notes	30,000.00
Winthrop Faulkner Fund	85.00
Bowers Fund	432.42
Cemetery Trust Fund, adjustment interest.....	23.88
Construction Acct., Water Bonds	17,308.14
Construction Acct., School Bonds	30,315.36
Construction Acct., Add'l Water Supply	4,745.48
Sinking Fund Income	2,246.00
Pumping Station Repairs	572.17
Water Extension—Garden City	462.65
	<hr/> \$90,208.61

Revenue**Department Expense:**

Police and Janitor	\$ 2,427.35
Street Railway and Excise	6,037.89
Bridges	428.07
State Aid	816.00
Incidentals	1,199.50
Interest	2,293.92
Treasurer and Call Bond	120.00
Insurance	238.80
Board of Health	490.08
Stearns and Blanchard Brooks.....	54.50
Macadam Construction	100.00
Highways	4,796.10
Sidewalks.....	831.17
Tree Warden	225.16
Street Lighting	2,829.53
Outside Relief	1,290.54
Schools	27,858.48
Repairs Town Farm	3,997.97
Common and Town Pump	133.47
Sinking Fund and Bond Interest	5,550.00
Hydrants	3,500.00
Printing	412.30
Memorial Day	125.00
Concord River Improvement	150.00
Spraying Elm Leaf Beetle	416.63
Sidewalk, Pond Street	253.85
Assessors' Special	96.76
Moth Extermination	2,877.67
Salaries	5,197.00
Macadam, Burlington Road	1,292.28
Macadam, Concord Road	7,275.39
Widening River Street	263.30
Indexing Records	114.00
Town Farm Committee	102.00
Barker Special Appropriation	300.00
Tuition, Industrial School	837.50
Town Farm	3,991.02
Fire Department	3,443.45
Maintenance of Halls	907.19

Shawsheen River Bridge	2,500.00
Macadam Road Repairs	2,721.66
Fire Alarm System	997.57
Pinehurst Fire Extinguisher	100.00
Water Department Truck	1,000.00
Use of Stone Crusher	290.00
Cemeteries	1,839.30
Increase of Water Supply	1,500.00
Pumping Station Repairs	1,160.55
Water Department	12,759.03
Town Debt	7,000.00
Abatements	1,724.17
Abatements	7.06
County Tax	3,497.78
State Tax	6,815.14
	<hr/> \$137,186.13

RECAPITULATION

Balance on hand December 31, 1914	\$ 13,199.67
Total Receipts	263,400.26
	<hr/> \$276,599.93
Total Payments	227,394.74
	<hr/>
Balance on hand December 31, 1915	\$ 49,205.19
	<hr/>

ANALYSIS

Non-Revenue Cash

Balance December 31, 1914	\$ 15,575.41
Non-Revenue Receipts	114,893.17
	<hr/> \$130,468.58
Non-Revenue Payments	90,208.61
	<hr/>
Balance of Non-Revenue Cash December 31, 1915	\$40,259.97
Viz.:	
Due unexpended:	
Non-Revenue Appropriations	\$40,100.36
Trust Accounts	159.61
	<hr/> \$40,259.97

Cemetery Trust Funds	\$108.79
Bowers Fund	72.07
	<hr/>
	\$180.86
Due from W. Faulkner Fund.....	21.25
	<hr/>
	\$159.61
	<hr/>

Revenue Cash

Receipts	\$148,507.09
Payments	137,186.13
	<hr/>
	\$ 11,320.96
Less excess of expenditures over receipts to December 31, 1914	2,375.74
	<hr/>
Balance of Revenue Cash December 31, 1915...	8,945.22
	<hr/>
Net Cash Balance December 31, 1915	\$49,205.19
	<hr/>

HERBERT A. KING,

Treasurer.

Examined and approved,

GEORGE P. GREENWOOD,

ARTHUR S. COOK,

FREDERICK WAIN,

Auditors.

Auditors' Report

We present herewith our annual report, and certify as to the correctness of the accounts of the Town examined by us. We have continually made a special effort to secure so far as possible in all departments the adoption of what appears to be the best methods of keeping the financial records and accounts, and we invite the careful attention of all citizens to a study of the details of our report submitted herewith, as a representation of the financial condition of our Town, and as showing the changing condition in these affairs.

We have had the continued advice and labors of our Special Auditor, Mr. A. L. Blodgett, who has carried into effect the accounting plan now followed for five years, and bringing our accounts in line with the most approved methods.

The Commonwealth, in the plan of accounting used for Towns, does not allow the use of department income to the direct use of a department, but insists on a definite appropriation which must cover all the expenditures of the department, the income being credited to the general income of the Town. We request consideration of the adoption of this plan at an early date.

We call attention to the proposed tax laws now before the legislature, as the adoption of such is sure to affect our financial plans, and the best laws are those we should decide upon and urge through the proper channels.

We have examined the accounts of all Town officers having the custody, receipt or expenditure of money, and find the same correct and with proper vouchers, and the several funds are substantiated by proper securities and investments.

We submit herewith:

1. Schedule of Appropriation Accounts.
2. Trust and Sinking Funds Accounts.
3. Tax Statement.
4. Comparative Net Debt Statement.
5. Detail of Town Debt.
6. Income and Expense Account.
7. Balance Sheet.

Respectfully submitted,

GEORGE P. GREENWOOD,
ARTHUR S. COOK,
FREDERICK WAIN.

APPROPRIATION SCHEDULE, YEAR ENDING DECEMBER 31, 1915

APPROPRIATIONS FROM REVENUE:	Overdrawn Dec. 31, 1914	Unexpended Dec. 31, 1914	Appropriation	Receipts and Transfers	Expended and Transferred	Overdrawn Dec. 31, 1915	Unexpended Dec. 31, 1915
Assessors, Special	\$ 23.68		\$ 100.00	\$ 4.00	\$ 96.76	\$ 16.44	
Barker Special Appropriation.....		\$ 75.00	300.00		300.00		\$ 75.00
Bennett Hall Sidewalk			200.00		200.00		
Board of Health		375.73	125.00		490.08		10.65
Bounty		125.00					125.00
Bridges		484.57	600.00		428.07		656.50
Bridle Road		33.00					33.00
Cattle Inspector		250.00	250.00		500.00		
Cemeteries		66.36	900.00	936.71	1,839.30		63.77
Common and Town Pump.....		42.65	125.00		133.47		34.18
Concord River Improvement		150.00			150.00		
Concrete Fire Station			6,200.00				6,200.00
Concrete Bridge	192.79					192.79	
Culvert, Middlesex Turnpike			300.00				300.00
Drain, Charnstaff Lane	22.32					22.32	
Dudley Road Trees		8.48					8.48
Fire Department		429.46	3,000.00	15.69	3,443.45		1.70

APPROPRIATION SCHEDULE, 1915—(Continued)

APPROPRIATIONS FROM REVENUE:	Overdrawn Dec. 31, 1914	Unexpended Dec. 31, 1914	Appropriation	Receipts and Transfers	Expended and Transferred	Overdrawn Dec. 31, 1915	Unexpended Dec. 31, 1915
Fire Alarm System			1,000.00		997.57		2.43
Fireproof Vault Fittings		26.00					26.00
Fire Station Equipment			1,200.00				1,200.00
Fordway Bridge		96.94					96.94
Fordway Park Improvement		199.60					199.60
Grading Common		200.00					200.00
Heating Plant, Pollard School		70.00					70.00
Highways	431.80		5,000.00	15.80	4,796.10	212.10	
Hydrants			3,500.00		3,500.00		
Incidentals		378.51	1,000.00	248.44	1,199.50		427.45
Indexing Records		64.00	50.00		114.00		
Insurance		451.94	200.00		238.80		413.14
Interest		843.97	2,200.00	1,721.75	2,293.92		2,471.80
Investigation Fordway Bridge		100.00					100.00
Macadam, Burlington Road		65.89	1,305.65	200.00	1,292.28		279.26
Macadam Construction		67.38			100.00	32.62	
Macadam, Concord Road		2,153.35		4,687.59	7,275.39	434.45	

APPROPRIATION SCHEDULE, 1915—(Continued)

APPROPRIATIONS FROM REVENUE:	Overdrawn Dec. 31, 1914	Unexpended Dec. 31, 1914	Appropriation	Receipts and Transfers	Expended and Transferred	Overdrawn Dec. 31, 1915	Unexpended Dec. 31, 1915
Macadam, Road Repairs			3,000.00		2,721.66		278.34
Maintenance of Halls.....		345.93	1,500.00	174.18	907.19		1,112.92
Memorial Day			125.00		125.00		
Moth Extermination	469.12		2,211.97	935.63	2,877.67	199.19	
Moving Bridge Material		50.00					50.00
Moving Stone Crusher		99.00					99.00
Outside Relief		360.70	800.00	153.89	1,290.54		24.05
Park Commissioners		22.95					22.95
Pinehurst Fire Extinguisher.....			100.00		100.00		
Police and Janitor		631.69	1,900.00	228.86	2,427.35		333.20
Pollard School Grounds Improvement..		100.00					100.00
Printing		68.98	500.00		412.30		156.68
Pumping Station Repairs			1,200.00		1,160.55		39.45
Repairs, Town Farm			4,000.00		3,997.97		2.03
Salaries		234.50	4,480.00	500.00	5,197.00		17.50
Sanitary Drinking Fountain		130.55					130.55
Schools		2,655.86	25,000.00	859.02	27,858.10		656.40

APPROPRIATION SCHEDULE, 1915—(Continued)

APPROPRIATIONS FROM REVENUE:

	Overdrawn Dec. 31, 1914	Unexpended Dec. 31, 1914	Appropriation	Receipts and Transfers	Expended and Transferred	Overdrawn Dec. 31, 1915	Unexpended Dec. 31, 1915
Shawsheen River Bridge			2,500.00	3,270.00	2,500.00		3,270.00
Sidewalks		366.86	600.00	200.00	1,031.17		135.69
Sidewalk, Pond Street		254.00			253.85		.15
Sinking Fund and Bond Interest.....			5,550.00		5,550.00		
Soldiers' Relief	116.00					116.00	
Special Auditor		157.00					157.00
Spraying Elm Leaf Beetle		231.55	200.00		416.63		14.92
State Aid	45.00			706.00	816.00	155.00	
Stearns and Blanchard Brooks	7.95		100.00		54.50		37.55
Street Lighting		1,086.76	2,500.00		2,829.53		757.23
Street Railway and Excise Account ...	200.50			7,299.41	8,537.89	1,438.98	
Tax Accounting		79.00					79.00
Town Debt			7,000.00		7,000.00		
Town Farm	17.97		1,500.00	2,796.31	3,991.02		287.32
Town Farm Committee		100.00			102.00	2.00	
Treasurer and Collector, Bond.....			160.00		120.00		40.00
Tree Warden		133.06	200.00	20.00	225.16		127.90

APPROPRIATION SCHEDULE, 1915—(Continued)

APPROPRIATIONS FROM REVENUE:	Overdrawn Dec. 31, 1914	Unexpended Dec. 31, 1914	Appropriation	Receipts and Transfers	Expended and Transferred	Overdrawn Dec. 31, 1915	Unexpended Dec. 31, 1915
Tuition Industrial School		1,137.00	500.00	789.07	837.50		1,588.57
Union Hall Repairs		200.00					200.00
Use of Stone Crusher			290.00		290.00		
Water Department	4,013.59		1,828.89	39,948.76	38,528.02	763.96	
Widening River Street			400.00		263.30		136.70
Water Department, Special		751.67			751.67		
Water Department, Truck			1,000.00		1,000.00		
Water Supply—Additional			1,500.00		1,500.00		
	\$5,540.72	\$15,954.89	\$98,201.51	\$65,711.11	\$155,062.64	\$3,585.85	\$22,850.00
Appropriations from Non-Revenue:							
School Construction, High			\$63,000.00		30,315.36		\$32,684.64
Pumping Station Repairs		572.17			572.17		
Water Extension—Additional		4,469.34	15,000.00		17,308.14		2,161.20
Water Extension—Garden City		462.65			462.65		
Water Supply—Additional		\$5,504.16	10,000.00		4,745.48		5,254.52
			\$88,000.00		\$53,403.83		\$40,100.36

WATER WORKS SINKING FUND

Amount of Fund December 31, 1914.....	\$38,868.10
Town Appropriation	1,800.00
Interest Income for 1915	1,598.50

Amount of Fund December 31, 1915	\$42,266.60
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Accounting

Boston & Albany Bonds	\$10,000.00
N. Y., N. H. & H. Bonds	11,000.00
Billerica Water Bonds No. 11, Additional Water Loan Nos. 41, 42, 43, 44, 45, 46	4,000.00
Lowell Five Cent Savings Bank	4,353.12
City Institution for Savings	1,146.12
Lowell Institution for Savings	878.98
Mechanics Savings Bank	1,278.98
Central Savings Bank	6,576.30
Mechanics Savings Bank	3,033.10
	<hr/>
	\$42,266.60

SCHOOL HOUSE LOAN SINKING FUND

Amount of Fund December 31, 1914	\$15,533.31
Town Appropriation	875.00
Interest Income for 1915	638.68

Amount of Fund December 31, 1915	\$17,046.99
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Accounting

Bonds of above Loan Nos. 23, 24, 25	\$3,000.00
Billerica Water Bonds Nos. 12, 15, 27, 44, Addi- tional Water Loan Nos. 35, 36, 37, 38	6,000.00
Lowell Institution for Savings	123.81
Central Savings Bank	4,987.14
City Institution for Savings	1,461.90
Mechanics Savings Bank	348.41
Five Cent Savings Bank	1,125.73
	<hr/>
	\$17,046.99

BOWERS FUND

Amount of Fund December 31, 1914	\$16,765.97
Income for 1915	665.28

\$17,431.25

Expended in 1915	432.42
------------------------	--------

Amount of Fund December 31, 1915	\$16,998.83
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Accounting

Lowell Institution for Savings	\$ 28.24
Mechanics Savings Bank	289.99
Mechanics Savings Bank	393.46
Central Savings Bank	2,181.02
Central Savings Bank	571.56
City Institution for Savings	152.94
City Institution for Savings	140.40
Five Cent Savings Bank	219.15
Bond, Town of Russell	2,500.00
Messer Mortgage	1,000.00
Colburn Mortgage	450.00
Billerica Water Bond No. 14	1,000.00
Billerica Notes	8,000.00
Cash on hand	72.07
	<hr/>
	\$16,998.83

TOWN HALL SINKING FUND

Amount of Fund December 31, 1914	\$23,073.88
Town Appropriation	800.00
Interest Income for 1915	947.20

Amount of Fund December 31, 1915	\$24,821.08
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Accounting

Billerica Water Bonds Nos. 13, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 81, 82, Additional Water Loan Nos. 39, 40	\$14,000.00
City Institution for Savings	2,000.34
City Institution for Savings	1,047.22
Central Savings Bank	4,239.38

Mechanics Savings Bank	1,574.84	
Mechanics Savings Bank	1,067.24	
Lowell Five Cent Savings Bank	892.06	
	<hr/>	\$24,821.08

ABBOTT SINGING FUND

Amount of Fund December 31, 1914	\$1,508.84	
Income for 1915	75.98	
	<hr/>	
Amount of Fund December 31, 1915		\$1,584.82

Accounting

Mortgage Investment	\$1,400.00	
Deposited Savings Bank	184.82	
	<hr/>	\$1,584.82

COMMON SEAT FUND

Amount of Fund December 31, 1914	\$51.74	
Income for 1915	2.06	
	<hr/>	
Amount of Fund December 31, 1915		\$53.80
Deposited in Savings Bank		

WATERING TROUGH FUND

Amount of Fund December 31, 1914	\$29.09	
Income for 1915	1.16	
	<hr/>	
Amount of Fund December 31, 1915		\$30.25
Deposited in Savings Bank		

WINTHROP FAULKNER FUND

Amount of Fund December 31, 1914	\$1,021.25	
Income for 1915	42.50	
	<hr/>	
	\$1,063.75	
Expended in 1915	85.00	
	<hr/>	
Amount of Fund December 31, 1915		\$ 978.75

Accounting

Bond	\$1,000.00	
Income paid in advance	21.25	
	<hr/>	\$ 978.75

REPORT OF CEMETERY TRUST FUNDS

	Amount of Fund Dec. 31, 1914	Income for 1915	Total	Paid in 1915	Balance Dec. 31, 1915	Total
SOUTH CEMETERY—						
Sweetser Fund	\$ 1,417.43	\$ 76.32	\$ 1,493.75	\$ 45.00	\$ 1,448.75	
Thomas Sumner Fund	110.03	4.44	114.47	4.00	110.47	
Mary F. J. Foster Fund	113.22	4.56	117.78	4.00	113.78	
Susan E. Hutchinson Fund	111.53	4.48	116.01	4.00	112.01	
Jaquith Fund	137.83	5.54	143.37	4.00	139.37	
Abigail Jaquith Fund	103.58	4.16	107.74	4.00	103.74	
Holden Fund	105.85	4.28	110.13	4.00	106.13	
Joseph Jaquith Fund	100.00	3.02	103.02		103.02	
Foster Fund	127.34	5.12	132.46	4.00	128.46	\$2,365.73
FOX HILL CEMETERY—						
Thompson Fund	1,062.12	31.28	1,093.40		1,093.40	
Joel Baldwin Fund	114.66	4.60	119.26	4.00	115.26	

REPORT OF CEMETERY TRUST FUNDS—(Continued)

	Amount of Fund Dec. 31, 1914	Income for 1915	Total	Paid in 1915	Balance Dec. 31, 1915
Gray Fund	543.44	21.94	565.38		565.38
Olivia A. Stearns Fund	107.65	4.32	111.97	3.00	108.97
A. W. Patten Fund	405.43	16.36	421.79	10.00	411.79
Bohonan Fund	85.38	3.44	88.82	3.00	85.82
Frost Fund	116.65	4.68	121.33	18.00	103.33
Esther A. Holden Fund	107.30	4.32	111.62	4.00	107.62
Wm. A. Burrows Fund	103.54	4.16	107.70		107.70
John Fisk Fund	50.14	2.02	52.16	2.00	50.16
Geo. H. Hall Fund	207.50	8.36	215.86	6.00	209.86
Samuel H. King Fund	106.88	4.30	111.18	3.00	108.18
Gilman Fund	100.28	4.04	104.32	4.00	100.32
Rosa Gatter Fund	216.20	8.72	224.92	8.00	216.92
Palmer Fund	105.38	4.24	109.62	3.00	106.62

REPORT OF CEMETERY TRUST FUNDS—(Continued)

	Amount of Fund Dec. 31, 1914	Income for 1915	Total	Paid in 1915	Balance Dec. 31, 1915
Baldwin Fund	105.38	4.24	109.62	3.00	106.62
Holden Fund	105.38	4.24	109.62	3.00	106.62
Spaulding Fund	150.58	6.06	156.64	5.00	151.64
Alexander Fund	154.62	6.22	160.84	3.00	157.84
Shedd-Sanborn Fund	107.18	4.32	111.50	10.00	101.50
Bennink Fund	154.62	6.22	160.84	3.00	157.84
Andrews Fund	101.06	4.08	105.14	3.00	102.14
Harlow Colby Fund	101.06	4.08	105.14	3.00	102.14
Folsom Fund	103.02	4.16	107.18	3.00	104.18
Underhill Fund	100.00	3.02	103.02		103.02
Crosby and Lowell Fund	200.00	6.04	206.04		206.04
Wild Fund	75.00	2.25	77.25		77.25
Fisk Fund					100.00

REPORT OF CEMETERY TRUST FUNDS—(Continued)

	Amount of Fund Dec. 31, 1914	Income for 1915	Total	Paid in 1915	Balance Dec. 31, 1915	Total
Salaway Fund					75.00	
Palmer Fund	101.06	4.08	105.14	3.00	102.14	5,245.30
NORTH CEMETERY—						
Sawyer Fund	142.92		142.92		142.92	
Samuel Osgood Fund	113.43	4.56	117.99	3.00	114.99	
Josiah Rogers Fund	248.64	10.02	258.66	8.00	250.66	
Isaac Knapton Fund	119.70	4.82	124.52	3.00	121.52	
Bryant Fund	174.39	7.02	181.41	5.00	176.41	
Betsey Cowdrey Fund	53.19	2.14	55.33	2.00	53.33	
Balmforth Fund	106.86	4.28	111.14	3.00	108.14	
Shedd Fund	129.05	5.20	134.25	4.00	130.25	
Calvin Rogers Fund	363.76	14.68	378.44	12.00	366.44	
Amos Cray Fund	273.14	11.02	284.16	5.00	279.16	

REPORT OF CEMETERY TRUST FUNDS—(Continued)

	Amount of Fund Dec. 31, 1914	Income for 1915	Total	Paid in 1915	Balance Dec. 31, 1915
Francis V. Noyes Fund	247.22	9.98	257.20	5.00	252.20
Faulkner Fund	1,298.98	73.85	1,372.83	42.50	1,330.33
Levi Sprague Fund	378.41	15.26	393.67	10.00	383.67
Maria Dows Fund	262.57	10.58	273.15	8.00	265.15
Faulkner Wild Ranlett Fund	318.39	12.84	331.23	12.00	319.23
Mary M. Shores Fund	114.17	4.60	118.77	5.00	113.77
H. M. Hutchins Fund	51.44	2.06	53.50	2.00	51.50
Andrew Handley Fund	106.74	4.28	111.02	10.00	101.02
Georgiana Rogers Fund	164.42	6.62	171.04	5.00	166.04
A. R. Richardson Fund	334.82	13.50	348.32	8.00	340.32
Higson and Switzer Fund	105.58	4.24	109.82	3.00	106.82
Abbott Fund	105.58	4.24	109.82	4.00	105.82
H. W. Sheldon Fund	106.72	4.28	111.00	3.00	108.00

REPORT OF CEMETERY TRUST FUNDS—(Continued)

	Amount of Fund Dec. 31, 1914	Income for 1915	Total	Paid in 1915	Balance Dec. 31, 1915	Total
Coffey Fund	103.24	4.16	107.40	3.00	104.40	
Walker Fund	104.38	4.20	108.58	3.00	105.58	
W. P. Sheldon Fund	111.50	4.48	115.98	10.00	105.98	
Spaulding Fund	105.38	4.24	109.62	3.00	106.62	
Bottomley Fund	103.02	4.16	107.18	3.00	104.18	
Ritchie Fund	103.02	4.16	107.18	3.00	104.18	
Jennie S. Twombly Fund	100.00	3.02	103.02		103.02	
W. A. Evans Fund	200.00	6.04	206.04		206.04	
A. H. Jones Fund	200.00	6.04	206.04		206.04	
Sarah A. Sutcliffe Fund	100.00	3.02	103.02		103.02	
Farwell Fund	100.00	3.02	103.02		103.02	
Lucy Brown Fund					100.00	6,839.77
	\$13,968.98	\$574.32	\$14,543.30	\$367.50		\$14,450.80

ACCOUNTING

Bonds	\$ 3,000.00
Deposited in Savings Bank and cash on hand	11,450.80
	<u>\$14,450.80</u>

TAX STATEMENT—DECEMBER 31, 1915

Tax of	Uncollected Dec. 31, 1914	Collected during 1915	Uncollected Dec. 31, 1915
	\$ 20.88*		
1912	551.34	\$ 572.22	
1913	4,855.68	4,343.44	\$ 512.24
1914	19,698.78	14,492.64	5,206.14
1915	115,889.58	92,784.85	23,104.73
	\$141,016.26	\$112,193.15	\$28,823.11

* Added

SPECIAL ASSESSMENTS—MOTH TAX

1912	\$ 14.90	\$ 14.90	
1913	17.29	17.29	
1914	143.60	86.66	\$ 56.94
1915	602.96	519.76	83.20
	\$778.75	\$638.61	\$140.14

COMPARATIVE NET DEBT STATEMENT

December 31, 1915

	Feb. 28, 1911	Dec. 31, 1914	Dec. 31, 1915
Due Appropriation Accounts Un- expended	\$ 11,883.97	\$ 21,459.05	\$ 62,950.36
Due Trust Funds	29,825.23	33,367.12	34,182.25
Bonds Payable:			
Water Works	90,000.00	136,000.00	159,000.00
Town Hall	30,000.00	30,000.00	30,000.00
School House	25,000.00	25,000.00	25,000.00
New High School			63,000.00
Notes Payable:			
Anticipation of Taxes		10,000.00	
Trustees of High School	6,400.00	4,000.00	4,000.00
Bowers Fund	7,160.00	9,000.00	8,000.00
Concrete Bridge	9,000.00	5,000.00	4,000.00
Fordway Bridge		7,000.00	6,000.00
Water Extension		2,000.00	1,000.00
Repairs Pumping Station ...		1,000.00	
Fordway Footbridge	1,400.00		
Fire Escape, Pollard School .	700.00		
	<hr/>	<hr/>	<hr/>
	\$211,369.20	\$283,826.17	\$397,132.61
Cash and Taxes Due	\$ 27,763.08	38,410.01	78,008.83
Overdrafts, due from Appropri- ation Accounts		5,540.72	3,585.85
Trust Fund Investments	29,620.83	33,367.12	34,182.25
Sinking Funds:			
Water Works	27,016.00	38,868.10	42,266.60
Town Hall	16,928.41	23,073.88	24,821.08
School House	10,292.33	15,533.31	17,046.99
	<hr/>	<hr/>	<hr/>
	\$111,620.65	\$154,793.14	\$199,911.60
	<hr/>	<hr/>	<hr/>
Net Debt	\$ 99,748.55	\$129,033.03	\$197,221.01

STATEMENT OF TOWN DEBT, SHOWING WHEN DUE,
December 31, 1915

Year	Water	Trust Funds	New High School	Other Debt	Total
1916 .. \$	4,000.00	\$ 1,000.00	\$ 4,500.00	\$ 2,000.00	\$ 11,500.00
1917 ..	3,000.00	1,000.00	4,500.00	2,000.00	10,500.00
1918 ..	5,000.00	1,000.00	4,500.00	2,000.00	12,500.00
1919 ..	5,000.00	1,000.00	4,500.00	32,000.00	42,500.00
1920 ..	5,000.00	1,000.00	4,500.00	1,111.11	11,500.00
1921 ..	5,000.00	1,000.00	4,500.00	26,000.00	36,500.00
1922 ..	5,000.00	1,000.00	4,500.00		10,500.00
1923 ..	5,000.00	1,000.00	4,500.00		10,500.00
1924 ..	5,000.00	1,000.00	4,500.00		10,500.00
1925 ..	5,000.00	1,000.00	4,500.00		10,500.00
1926 ..	5,000.00	1,000.00	4,500.00		10,500.00
1927 ..	3,000.00	1,000.00	4,500.00		8,500.00
1928 ..	93,000.00		4,500.00		97,500.00
1929 ..	1,000.00		4,500.00		5,500.00
1930 ..	1,000.00		*		1,000.00
1931 ..	1,000.00				1,000.00
1932 ..	1,000.00				1,000.00
1933 ..	1,000.00				1,000.00
1934 ..	1,000.00				1,000.00
1935 ..	1,000.00				1,000.00
1936 ..	1,000.00				1,000.00
1937 ..	1,000.00				1,000.00
1938 ..	1,000.00				1,000.00
1939 ..	1,000.00				1,000.00
1940 ..	1,000.00				1,000.00
<hr/>					
	\$160,000.00	\$12,000.00	\$63,000.00	\$65,000.00	\$300,000.00

* \$27,000.00 additional bonds authorized.

REVENUE AND EXPENSE ACCOUNT ON REVENUE BASIS

Year Ending December 31, 1915

REVENUE

From Taxes Assessed	\$97,574.54
Commonwealth (Bank, Corporation and Public Service Tax)	3,108.31
Interest on Taxes	988.13
Sundry Gains	379.86
State Tax	6,727.50
County Tax	3,497.78
Highway Tax	87.64
	<hr/> \$112,363.76

EXPENSE

For Appropriations	\$98,201.51
County Tax	3,497.78
State Tax	6,815.14
Abatements	26.52
	<hr/> \$108,540.95

Excess of Revenue over Expense for 1915.....	\$ 3,822.81
Previous Deficiency	\$523.19
1915 Gains	169.92
	<hr/> 353.27

Net Gain in Revenue since March 1, 1909	\$ 3,469.54
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BALANCE SHEET—DECEMBER 31, 1915

CURRENT ACCOUNTS		Credits	
Cash on hand	\$ 49,045.58	Unexpended Balances—Revenue	\$ 22,850.00
Taxes due	28,963.25	Less Overdrafts	3,585.85
		Net Unexpended	\$ 19,264.15
		Overlay Reserves	4,093.91
		Unexpended Balances—Non-Revenue	\$ 23,358.06
			40,100.36
		Excess of Current Assets	\$ 63,458.42
			14,550.41
			\$ 78,008.83
TRUST ACCOUNTS			
Trust Fund Investments	\$ 34,022.64	Trust Funds	\$ 19,731.45
Cash on hand	159.61	Cemetery Funds	14,450.80
			\$ 34,182.25
CAPITAL ACCOUNTS			
Water Department			
Construction	\$169,846.12		
Inventory	1,403.20		
Inventory	127.50		
			\$171,376.82

BALANCE SHEET—(Continued)

WATER DEBT		Credits
Debits		
Sinking Fund	\$ 42,266.60	Bonds Payable \$159,000.00
PUBLIC BUILDINGS		
Sinking Funds	\$ 41,868.07	Bonds Payable \$ 55,000.00
		63,000.00
		<hr/>
		\$118,000.00

REAL ESTATE

Assessors' Valuation \$114,585.36

NOTES PAYABLE

Sundry \$ 23,000.00

EXCESS OR DEFICIENCY SINCE MARCH 1, 1909

Excess of Revenue over Expense \$ 3,469.54

TOWN DEBT

Total per list \$300,000.00

NET ASSETS

Balancing Account December 31, 1915 \$381,177.72

REPORT OF TAX COLLECTOR—DECEMBER 31, 1915

	1915	1914	1913	1912
Uncollected Jan. 1, 1915 .		\$19,842.38	\$4,872.97	\$566.24
1915 Commitment:				
Regular	\$112,038.56			
Excise	3,851.02			
Moth	602.96			
1912 Additional				20.88
Cash Collected	91,858.79	14,417.21	4,249.47	580.06
Abatements & Corrections	1,445.82	162.09	111.26	7.06
Uncollected Dec. 31, 1915	23,187.93	5,263.08	512.24	0.00

RECAPITULATION

Uncollected January 1, 1915	\$ 25,281.59
1912 Additional	20.88
1915 Commitment	116.492.54
Interest Collected	988.13
	<hr/> \$142,783.14
Paid Treasurer	113,819.89
	<hr/>
Balance Dec. 31, 1915	\$ 28,963.25

MOTH TAX INCLUDED ABOVE

	1915	1914	1913	1912
Uncollected Jan. 1, 1915.		\$143.60	\$17.29	\$14.90
1915 Commitment	\$602.96			
Collected	519.76	86.66	17.29	14.90
Balance Dec. 31, 1915	83.20	56.94	—	—

EVERETT S. BULL,

Collector of Taxes.

Report of Board of Selectmen

To the Citizens and Taxpayers of the Town of Billerica:

The Board of Selectmen hereby submit for your consideration a report of their administration during the past year.

We have endeavored to keep within the limits of all appropriations, and those coming under our direct supervision show unexpended balances, leaving the business of the other Town Boards to be discussed by the officials who are in charge of the different departments.

STREET LIGHTING.

We have installed during the past year eight new lights on much-travelled roads, namely, two lights on Call Street, beginning near Pollard Street, and extending back towards Rogers Street; three lights on High Street, beginning near the residence of Bernard F. Kearney and extending near Railroad Bridge; two lights on the Concord Road, beginning at the Boston & Maine Railroad tracks and extending to the Middlesex Turnpike; one light on Bridge Road near Bridle Road.

The Board have received from the Lowell Electric Light Corporation an excellent map of the Town of Billerica, including the streets of the newly-opened-up sections of the Town, also the location of all the street lights.

There are still many streets that are not lighted, and we believe a few new lights should be put in each year in order to safeguard the public travel.

FIRE EXTINGUISHERS.

At a special meeting held last July, the Town instructed the Board of Selectmen to spend the sum of one hundred dollars to purchase Fire Extinguishers for the protection of the district in the vicinity of Pinehurst Park. The Board procured twelve extinguishers, which were distributed by the Engineers of the Fire Department, the same being marked, "Property of the Town of Billerica."

PUBLIC BUILDINGS.

The Board being unable to let Union Hall, North Billerica, to advantage, did not think it advisable to make any changes at the Hall, as was planned for when submitting our last report.

You will note that the Public Buildings appropriation carries quite an unexpended balance on hand.

The Town Hall is in need of quite extensive repairs, and at this time we are unable to state just how much must be done.

We believe with the unexpended balance which we have on hand, and an appropriation of \$400 this year, the Public Buildings will be amply cared for.

BRIDGES.

In accordance with a vote of the Town at a special meeting held July 12th, 1915, the Board advertised the Old Fordway Bridge material for sale both in the Boston and Lowell daily papers.

The bridge material was sold to the highest bidder, David Ziskind & Co., of Lowell, Mass., at the rate of \$6 per net ton.

According to Mr. J. R. Worcester's report on the bridge it weighs approximately 66,000 lbs., or 33 net tons.

The Board has given the buyer instructions to have all the material weighed at the North Billerica Public

Scales, so there will be no question in regard to the correct weight of the same.

We would at this time call your attention to the condition at Middle Bridge. We feel sure something must be done in the near future in regard to a new bridge, as the old wooden structure is fast falling away. At the present time the bridge is unsafe for heavy travel.

MACADAM ROADS.

Macadam extensions were made during the past year on the Boston and Concord Roads, as was voted by the Town at the last Annual Town Meeting. On the Boston Road we received the sum of \$2,500 from the Massachusetts Highway Commission "Motor Vehicle Fund," and from the County \$2,500, providing the Town would give a similar amount, making a total of \$7,500.

The part of the Boston Road to be cared for was the approaches to the Shawsheen River, and also a new concrete bridge to cover the same. Bids were asked for, and the successful bidder was Harvey W. Tarbell, of Lowell, \$7,436.50 being the amount of the contract. Work has been delayed somewhat on the bridge owing to the high water all summer, also some difficulty with a large crane which the contractor was obliged to use on the work. The bridge and the approaches are near completion, and will be finished in the spring.

A sealing coat of tar has been applied on the macadam completed the year previous, for which the Massachusetts Highway Commission had held back the sum of \$200.

You will note that the Board has inserted an Article in the Warrant asking for an appropriation of \$2,500, providing the Massachusetts Highway Commission and the County Commissioners shall each furnish a similar amount to further extend the macadam toward Billerica

Center. In our report of last year we stated we had 4,150 feet on the Concord Road not yet macadamized. The Town at the last Annual Meeting appropriated the sum of \$2,500 for the same, providing, however, similar sums could be secured from the State and County. The Board petitioned the Massachusetts Highway Commission for \$2,500, and after a long time we received a notice that the State would give assistance, but the money would not be available until Dec. 1st, 1915.

This, we believe, is the first money the Town has received from the State on this road. The State Engineer, Mr. F. D. Sabin, has caused to have excavated 2,500 feet, the work being done by Mr. H. W. Essex, Highway Surveyor. Owing to the late date in beginning the work and the weather conditions, the work is not complete, although the road started is in fair condition for winter travel.

This leaves 1,650 feet still to be macadamized before the Town may enjoy a through macadam road to Boston. We believe it advisable for the Town to appropriate the sum of 2,250 dollars, and with the help of the County we believe the Concord Road can be made complete this year.

In closing our report we wish to thank the various departments for their assistance in trying to make the past year a success.

Respectfully submitted,

BURTON O. SANFORD,
RALPH E. MANNING,
JOSIAH WRIGHT,

Board of Selectmen, Town of Billerica.

**ESTIMATE OF APPROPRIATIONS FOR 1916
BY THE BOARD OF SELECTMEN**

	Appropriations 1915	Estimate 1916
Constable, Janitor and Police	\$ 1,900.00	\$ 2,100.00
Incidentals	1,000.00	1,000.00
Maintenance of Public Buildings ...	1,500.00	400.00
Common and Town Pump	125.00	125.00
Treasurer's and Collector's Bonds ..	160.00	160.00
Insurance	200.00	600.00
Soldiers' Relief		100.00
Interest	2,200.00	2,200.00
Indexing Records	50.00	50.00
Printing	500.00	500.00
Street Lighting	2,500.00	2,500.00
Memorial Day	125.00	125.00
Assessors' Special	100.00	120.00
Schools	25,000.00	32,000.00
Medical Inspection of Schools	150.00	500.00
Industrial School	500.00	500.00
Board of Health Expenses	125.00	1,000.00
Highway Repairs	5,000.00	5,000.00
Bridges	600.00	600.00
Sidewalks	600.00	600.00
Town Farm	600.00	800.00
Outside Relief	800.00	1,000.00
Moth	2,211.97	2,177.15
Elm Beetle	200.00	400.00
Tree Warden	200.00	200.00
Fire Department	3,000.00	6,000.00
Cemeteries	900.00	900.00
Hydrants	3,500.00	4,125.00
Town Notes	7,000.00	10,500.00

Sinking Fund and Bond Interest,		
Town Hall	2,000.00	2,000.00
High School Bond Interest		3,600.00
Sinking Fund and Bond Interest,		
School House	1,750.00	1,750.00
Sinking Fund, Water Bonds	1,800.00	1,800.00
Salaries:		
Selectmen	600.00	600.00
Assessors	700.00	700.00
Overseers of Poor	200.00	400.00
School Committee	180.00	180.00
Town Clerk	300.00	300.00
Town Treasurer	500.00	600.00
Tax Collector	600.00	600.00
Election Officers	300.00	300.00
Fish Warden	100.00	100.00
Auditors	150.00	150.00
Special Auditor	150.00	150.00
Sealer of Weights and Measures	100.00	100.00
Registrars of Voters	200.00	200.00
Board of Health	150.00	150.00
Cattle Inspector	250.00	250.00
Forest Warden	100.00	100.00

CORRECTION.—In list of Surveyors of Wood and Lumber, on page 5, add name of Leslie W. Hammond.

In list of Board of Health on page 4, the second name should be Dr. Neil K. Forhan.

WARRANT FOR
ANNUAL TOWN MEETING

BILLERICA, MASS.,
Saturday, February 12, 1916.

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To any Constable in the Town of Billerica:

GREETING:

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs, to meet at the Town Hall, Billerica, at 6 o'clock A. M., Saturday, February 12, 1916, to bring in their votes on one ballot for the following officers:

Moderator, Town Clerk, Town Treasurer, Three Selectmen, Three Overseers of the Poor, Three Auditors, a Collector of Taxes, a Highway Surveyor, a Tree Warden and Two Constables, all for one year. One Assessor, One Member of the Board of Health, One Member of the School Committee, One Member of the Town Hall Sinking Fund Commission, One Member of

the Cemetery Commission, One Member of the Talbot School Sinking Fund Commission, One Member of the Water Commission and One Member of the Park Commission, all for three years.

Also, to vote on the following question, viz.: "Shall license be granted for the sale of intoxicating liquors in the Town of Billerica?" Yes or No.

Polls may be closed at 4 o'clock P. M.

Also, at 10 o'clock A. M., to meet and act upon the following Articles:

ARTICLE 1. To choose a member of the Bowers Fund Committee for a term of five years.

ARTICLE 2. To choose all necessary Town officers.

ARTICLE 3. To hear and act upon the report of Town Officers and Committees heretofore appointed.

ARTICLE 4. To see what method the Town will adopt to repair the roads and bridges for the ensuing year.

ARTICLE 5. To raise and appropriate such sums of money as may be deemed necessary to defray the Town Expenses for the ensuing year, or do anything in relation to the same.

ARTICLE 6. To see if the Town will expend from the Sidewalk Appropriation the sum of two hundred and fifty dollars (\$250.00) in continuing the sidewalk on Pond Street, or do anything in relation to the same.

ARTICLE 7. To see if the Town will raise and appropriate the sum of two thousand five hundred dollars (\$2,500.00) to extend the macadam road on Boston Road from northerly end of present macadam, provided the County and State shall each furnish a similar amount; or do anything in relation to the same.

ARTICLE 8. To see what action the Town will take in regard to various unexpended balances, the objects for which they were made having been completed.

ARTICLE 9. To see if the Town will raise and appro-

priate the sum of two thousand two hundred and fifty dollars (\$2,250.00) to complete the macadam road on the Concord Road, or do anything in relation to the same.

ARTICLE 10. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) for the extension of the sidewalk on Main Street to Bennett Hall Station, or do anything in relation to the same.

ARTICLE 11. To see if the Town will appropriate five hundred dollars (\$500.00) by transferring said amount from the appropriation of \$5,000.00 to buy land and build an engine house made under Article 38 in the Warrant for the Annual Town Meeting of 1915, for the purpose of taking in fee a lot of land in Billerica, Massachusetts, owned by G. E. Stearns, bounded southerly seventy-five feet by River Street, northerly seventy-five feet by land of said G. E. Stearns, easterly ninety feet by land of said G. E. Stearns, and westerly ninety feet by land now or formerly of Billerica Building Association.

ARTICLE 12. To see if the Town will vote to take in fee, as allowed by Section 47, of Chapter 25, of the Revised Laws, for the purpose of erecting thereon a building to be used for an engine house, the lot of land in Billerica, Massachusetts, owned by G. E. Stearns, bounded southerly seventy-five feet by River Street, northerly seventy-five feet by land of said G. E. Stearns, easterly ninety feet by land of said G. E. Stearns, and westerly ninety feet by land now or formerly of Billerica Building Association.

ARTICLE 13. To see if the Town will instruct the School Committee to sell the three district schools, one at Mason's Corner, one at West Billerica, and one at South Billerica, or take any action in relation thereto.

ARTICLE 14. To see if the Town will appropriate the sum of one thousand five hundred dollars (\$1,500.00)

to be used by the Park Commissioners for the purpose of fixing the surface of a baseball ground on the Charles H. Kohlrausch, Jr. Playground, or do anything in relation to the same.

ARTICLE 15. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) to continue the sidewalk on High Street near Hillcrest, or do anything in relation to the same.

ARTICLE 16. To see if the Town will raise and appropriate the sum of six hundred thirty-six dollars and ninety-seven cents (\$636.97) to pay bills contracted by the Highway Department in 1914, or do anything in relation to the same.

ARTICLE 17. To see if the Town will raise and appropriate the sum of two hundred dollars (\$200.00) for relaying walls on Pond Street, as decreed by the Middlesex County Commissioners.

ARTICLE 18. To see if the Town will raise and appropriate the sum of six hundred eighty-two dollars and fifty cents (\$682.50) to install thirty-five lights along the Boston Road from Tufts Lane to the Billerica-Burlington line, or do anything in relation thereto.

ARTICLE 19. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) for the work of the Park Commission for 1916, part of which shall be used for the development of the Kohlrausch Playground.

ARTICLE 20. To see if the Town will adopt the code of building by-laws proposed by the Committee on Building By-Laws, or act in relation thereto.

ARTICLE 21. To see if the Town will amend its by-laws as follows:

Article 1. By striking out Section 1 and inserting in place thereof the following:

“The Annual Town Meeting for the election of

Town officers, and for other purposes, shall be held on the second Saturday of February in each year.

“Articles for the Warrants for all Town Meetings must be received by the Selectmen at least thirty days before the meeting.

“The Selectmen shall deliver a copy of the Articles presented for every meeting to the Town Clerk at least twenty-eight days before the date of meeting.”

Article 1. By striking out Section 4 and inserting in place thereof the following:

“The Town Clerk, upon receipt from the Selectmen of a copy of the Articles presented for a Town Meeting, shall forthwith send by mail to each member of the Finance Committee a call for a meeting to be held at the Town Hall. The time set for said meeting shall be not less than 48 hours nor more than 72 hours after the mailing of said call. The Finance Committee shall carefully consider all Articles in the Warrant, and it shall make a printed report of its investigations and recommendations pertaining thereto, giving their reasons for the latter. In case the committee cannot make a unanimous report, the minority may print their opinions and recommendations with those of the majority.

“The Finance Committee shall meet on the second Monday of March, June and October for the purpose of considering reports as to Town affairs from its sub-committees.

“The records and books of all departments of the Town shall be open to the inspection of any of these committees, and upon request all officials of the Town shall give said committees assistance in securing information in regard to their respective departments.”

ARTICLE 22. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) for the purpose of altering the district school house at South Billerica for the purposes of a sub-station of the Fire Department and equipping the same with a horse-drawn hose wagon, hose, extinguishers, axes, etc., provided that a satisfactory guarantee to cover the annual upkeep of the same were furnished by the residents of the section above mentioned.

ARTICLE 23. To see if the Town will accept and allow the laying out as a Town way of Corthell Road by the Selectmen as shown on plan on file in the office of the Town Clerk.

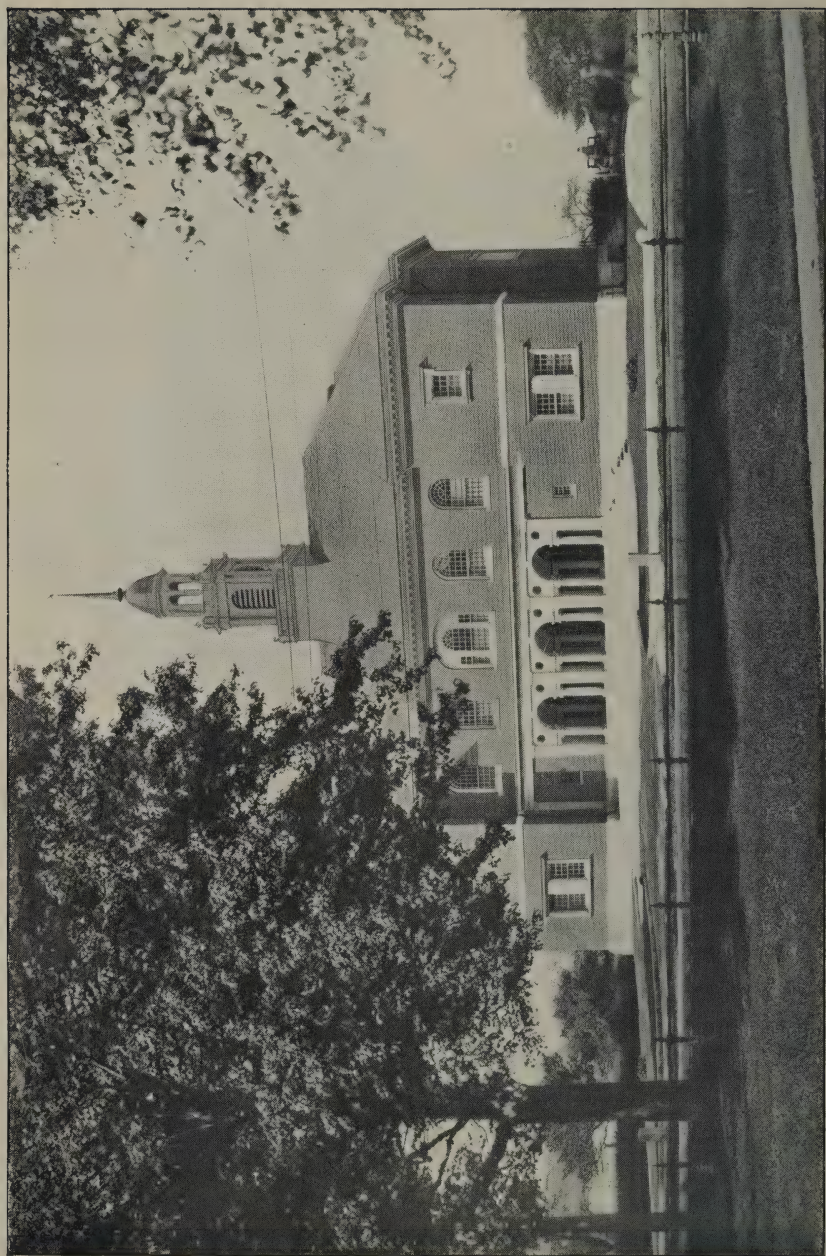
ARTICLE 24. To see if the Town will raise and appropriate the sum of one hundred dollars \$(100.00) for the care of the Stearns and Blanchard Brooks, or do anything in relation to the same.

ARTICLE 25. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) to be expended under the direction of the Fire Engineers to compensate Edward A. Barker, who has been permanently disabled in the fire service, or do anything in relation to the same.

ARTICLE 26. To see if the Town will raise and appropriate the sum of six hundred dollars (\$600.00) to purchase a new sprayer for the Moth Department, provided the State appropriates a like amount, or do anything in relation to the same.

ARTICLE 27. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) to straighten and gravel High Street from Rogers Street to Mt. Pleasant Street, or do anything in relation to the same.

ARTICLE 28. To see if the Town will accept and allow the laying out of Pine Street as a Town way, by the



BILLERICA TOWN HALL

ANNUAL REPORT

OF THE

TOWN OF BILLERICA



RECEIPTS AND EXPENDITURES

and Reports of the Various Departments for

the Year Ending December 31,

1916

C. I. HOOD CO. PRINTING DEPARTMENT

Lowell, Mass.

January, 1917

TOWN OFFICERS

Selectmen

RALPH E. MANNING, Chairman PRESCOTT L. PASHO, Sec'y
MARTIN CONWAY

Town Clerk

HERBERT A. KING

Town Treasurer

HERBERT A. KING

Moderator

CHARLES H. EAMES

Assessors

WILLIAM H. SEXTON, Chairman WILLIAM H. HUTCHINS
CHARLES H. KEMP

Overseers of the Poor

RICHARD J. CONWAY, Chairman COBURN S. SMITH
WARREN HOLDEN

Auditors

GEORGE P. GREENWOOD, Chairman
FREDERICK WAIN

ARTHUR S. COOK

Board of Health

DR. MAURICE A. BUCK, Chairman

THOMAS A. ELLIS

DR. NEIL K. FORHAN

School Committee

DR. MAURICE A. BUCK, Chairman

JOHN FREDERICK GANNON

HERBERT L. HOSMER

Collector of Taxes

EVERETT S. BULL

Highway Surveyor

WILLIAM H. ESSEX

Tree Warden

JOHN W. BOSTWICK

Cemetery Commissioners

J. NELSON PARKER, Chairman

HERBERT A. KING

JOHN A. RICHARDSON

Water Commissioners

JOSIAH C. EVANS, Chairman

WARREN HOLDEN

BERNARD F. KEARNEY

School House Sinking Fund Commissioners

JOHN A. RICHARDSON

JOSEPH F. TALBOT

NATHANIEL R. JONES

Town Hall Sinking Fund Commissioners

CHARLES H. EAMES

ALBERT H. RICHARDSON

DANA H. SPILLER

Constables, Keepers of the Lock-Up and Field Drivers

HENRY D. LIVINGSTON

JOHN J. McSWEENEY

Surveyors of Wood and Lumber

JOHN E. ROWELL

THOMAS E. SMITH

WM. F. SYMMES

VOLUNTINE ROLLINS

HENRY D. LIVINGSTON

BERNARD W. KEARNEY

GEORGE E. SIMONDS

CHARLES H. MORLEY

CHARLES A. FOSTER

GEO. MOORE

LESLIE W. HAMMOND

Fence Viewers

RALPH E. MANNING

PRESCOTT L. PASHO

MARTIN CONWAY

Engineers of Fire Department

ERNEST N. BARTLETT

WILLIAM B. CHAMBERS

CHARLES A. WRIGHT

Board of Registrars

JOHN H. MAHONEY, Chairman

ALBERT H. RICHARDSON

JAMES CAMPBELL

HERBERT A. KING (ex-officio)

Cattle Inspector
ALBERT H. JONES

Public Weighers

F. GILBERT MOREY	W. W. BROWN
BERNARD W. KEARNEY	CHAS. ELWOOD
DENNIS J. DEWIRE	EDWARD B. CARR
MARIE ELWOOD	HARRY W. MOORE
HERBERT I. JACOBS	PHILIP DOLAN
MELVIN MELRONEY	N. L. ROGERS

CLYDE McKILLOP

Superintendent of Town Farm
H. A. BOWERMAN

Forest Warden
ERNEST N. BARTLETT

Sealer of Weights and Measures
JOHN RITCHIE

Fish Warden
JOHN M. KENNELLY

REPORT OF TOWN CLERK

WARRANT

Annual Town Meeting, February 12, 1916

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To any Constable in the Town of Billerica:

GREETING:

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs, to meet at the Town Hall, Billerica, at 6 o'clock A. M., Saturday, February 12, 1916, to bring in their votes on one ballot for the following officers:

Moderator, Town Clerk, Town Treasurer, Three Selectmen, Three Overseers of the Poor, Three Auditors, a Collector of Taxes, a Highway Surveyor, a Tree Warden and Two Constables, all for one year. One Assessor, One Member of the Board of Health, One Member of the School Committee, One Member of the

Town Hall Sinking Fund Commission, One Member of the Cemetery Commission, One Member of the Talbot School Sinking Fund Commission, One Member of the Water Commission and One Member of the Park Commission, all for three years.

Also, to vote on the following question, viz.: "Shall license be granted for the sale of intoxicating liquors in the Town of Billerica?" Yes or No.

Polls may be closed at 4 o'clock P. M.

Also, at 10 o'clock A. M., to meet and act upon the following Articles:

ARTICLE 1. To choose a member of the Bowers Fund Committee for a term of five years.

ARTICLE 2. To choose all necessary Town officers.

ARTICLE 3. To hear and act upon the report of Town Officers and Committees heretofore appointed.

ARTICLE 4. To see what method the Town will adopt to repair the roads and bridges for the ensuing year.

ARTICLE 5. To raise and appropriate such sums of money as may be deemed necessary to defray the Town Expenses for the ensuing year, or do anything in relation to the same.

ARTICLE 6. To see if the Town will expend from the Sidewalk Appropriation the sum of two hundred and fifty dollars (\$250.00) in continuing the sidewalk on Pond Street, or do anything in relation to the same.

ARTICLE 7. To see if the Town will raise and appropriate the sum of two thousand five hundred dollars

(\$2,500.00) to extend the macadam road on Boston Road from northerly end of present macadam, provided the County and State shall each furnish a similar amount; or do anything in relation to the same.

ARTICLE 8. To see what action the Town will take in regard to various unexpended balances, the objects for which they were made having been completed.

ARTICLE 9. To see if the Town will raise and appropriate the sum of two thousand two hundred and fifty dollars (\$2,250.00) to complete the macadam road on the Concord Road, or do anything in relation to the same.

ARTICLE 10. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) for the extension of the sidewalk on Main Street to Bennett Hall Station, or do anything in relation to the same.

ARTICLE 11. To see if the Town will appropriate five hundred dollars (\$500.00) by transferring said amount from the appropriation of \$5,000.00 to buy land and build an engine house made under Article 38 in the Warrant for the Annual Town Meeting of 1915, for the purpose of taking in fee a lot of land in Billerica, Massachusetts, owned by G. E. Stearns, bounded southerly seventy-five feet by River Street, northerly seventy-five feet by land of said G. E. Stearns, easterly ninety feet by land of said G. E. Stearns, and westerly ninety feet by land now or formerly of Billerica Building Association.

ARTICLE 12. To see if the Town will vote to take in fee, as allowed by Section 47, of Chapter 25, of the Revised Laws, for the purpose of erecting thereon a building to be used for an engine house, the lot of land in

Billerica, Massachusetts, owned by G. E. Stearns, bounded southerly seventy-five feet by River Street, northerly seventy-five feet by land of said G. E. Stearns, easterly ninety feet by land of said G. E. Stearns, and westerly ninety feet by land now or formerly of Billerica Building Association.

ARTICLE 13. To see if the Town will instruct the School Committee to sell the three district schools, one at Mason's Corner, one at West Billerica, and one at South Billerica, or take any action in relation thereto.

ARTICLE 14. To see if the Town will appropriate the sum of one thousand five hundred dollars (\$1,500.00) to be used by the Park Commissioners for the purpose of fixing the surface of a baseball ground on the Charles H. Kohlrausch, Jr. Playground, or do anything in relation to the same.

ARTICLE 15. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) to continue the sidewalk on High Street near Hillcrest, or do anything in relation to the same.

ARTICLE 16. To see if the Town will raise and appropriate the sum of six hundred thirty-six dollars and ninety-seven cents (\$636.97) to pay bills contracted by the Highway Department in 1914, or do anything in relation to the same.

ARTICLE 17. To see if the Town will raise and appropriate the sum of two hundred dollars (\$200.00) for relaying walls on Pond Street, as decreed by the Middlesex County Commissioners.

ARTICLE 18. To see if the Town will raise and appropriate the sum of six hundred eighty-two dollars and

fifty cents (\$682.50) to install thirty-five street lights along the Boston Road from Tufts Lane to the Billerica-Burlington line, or do anything in relation thereto.

ARTICLE 19. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) for the work of the Park Commission for 1916, part of which shall be used for the development of the Kohlrausch Playground.

ARTICLE 20. To see if the Town will adopt the code of building by-laws proposed by the Committee on Building By-Laws, or act in relation thereto.

ARTICLE 21. To see if the Town will amend its by-laws as follows:

Article 1. By striking out Section 1 and inserting in place thereof the following:

“The Annual Town Meeting for the election of Town officers, and for other purposes, shall be held on the second Saturday of February in each year.

“Articles for the Warrants for all Town Meetings must be received by the Selectmen at least thirty days before the meeting.

“The Selectmen shall deliver a copy of the Articles presented for every meeting to the Town Clerk at least twenty-eight days before the date of meeting.”

Article 1. By striking out Section 4 and inserting in place thereof the following:

“The Town Clerk, upon receipt from the Selectmen of a copy of the Articles presented for a Town

Meeting, shall forthwith send by mail to each member of the Finance Committee a call for a meeting of said committee to be held at the Town Hall. The time set for said meeting shall be not less than 48 hours nor more than 72 hours after the mailing of said call. The Finance Committee shall carefully consider all Articles in the Warrant, and it shall make a printed report of its investigations and recommendations pertaining thereto, giving their reasons for the latter. In case the committee cannot make a unanimous report, the minority may print their opinions and recommendations with those of the majority.

“The Finance Committee shall meet on the second Monday of March, June and October for the purpose of considering reports as to Town affairs from its sub-committees.

“The records and books of all departments of the Town shall be open to the inspection of any of these committees, and upon request all officials of the Town shall give said committees assistance in securing information in regard to their respective departments.”

ARTICLE 22. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) for the purpose of altering the district school house at South Billerica for the purposes of a sub-station of the Fire Department and equipping the same with a horse-drawn hose wagon, hose, extinguishers, axes, etc., provided that a satisfactory guarantee to cover the annual upkeep of the same were furnished by the residents of the section above mentioned.

ARTICLE 23. To see if the Town will accept and allow the laying out as a Town way of Cortwell Road by the Selectmen as shown on plan on file in the office of the Town Clerk.

ARTICLE 24. To see if the Town will raise and appropriate the sum of one hundred dollars (\$100.00) for the care of the Stearns and Blanchard Brooks, or do anything in relation to the same.

ARTICLE 25. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) to be expended under the direction of the Fire Engineers to compensate Edward A. Barker, who has been permanently disabled in the fire service, or do anything in relation to the same.

ARTICLE 26. To see if the Town will raise and appropriate the sum of six hundred dollars (\$600.00) to purchase a new sprayer for the Moth Department, provided the State appropriates a like amount, or do anything in relation to the same.

ARTICLE 27. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) to straighten and gravel High Street from Rogers Street to Mt. Pleasant Street, or do anything in relation to the same.

ARTICLE 28. To see if the Town will accept and allow the laying out of Pine Street as a Town way, by the Selectmen, as shown on plan on file in the office of the Town Clerk, and to see if the Town will appropriate eight hundred dollars (\$800.00) for repairs on same.

ARTICLE 29. To see if the Town will raise and appropriate the sum of twenty dollars (\$20.00) for the pur-

pose of taking land to widen Pine Street from thirty feet to forty feet, or do anything in relation thereto.

ARTICLE 30. To see if the Town will raise and appropriate the sum of two thousand dollars (\$2,000.00) to purchase an auto fire truck for the Fire Department, or do anything in relation to the same.

ARTICLE 31. To see if the Town will accept and allow the laying out by the Selectmen as Town ways, as shown on plan on file in the office of the Town Clerk, the following streets: Letchworth Avenue from Carleton Street to Ilford Road; Mason Avenue from Letchworth Avenue to Ilford Road; Indian Road from Mason Avenue to Port Sunlight Road; Brentham Road from Indian Road east to Indian Road west; Port Sunlight Road from Indian Road east to Indian Road west; Ilford Road from Mason Avenue to Indian Road.

ARTICLE 32. To see if the Town will instruct the Water Commissioners to connect the water main on High Street, or do anything in relation to the same.

ARTICLE 33. To see if the Town will accept the plumbers rules and regulations formulated by the State Examiners of Plumbers, as required by Section 4 Chapter 103 and Section 5, Chapter 536, of the Acts of 1909 and January 1911, or act in relation to the same.

ARTICLE 34. To authorize the Town Treasurer, with the approval of the Selectmen, to borrow during the municipal year beginning January 1st, 1916, in anticipation of the collection of the taxes of said year, such sums of money as may be necessary for the current expenses of the Town, but not exceeding the total levy of said year, giving the notes of the Town thereof, payable within one

year from the date thereof. All debts incurred under the authority of this vote shall be paid from the taxes of the present municipal year.

And you are to serve this Warrant by posting true and attested copies thereof, one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post Offices of the Town, and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this seventeenth day of January in the year of our Lord 1916.

BURTON O. SANFORD,
RALPH E. MANNING,
JOSIAH WRIGHT,

Selectmen of the Town of Billerica.

Billerica, Mass., February 12, 1916.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON,

Constable.

Under this Warrant the following vote was cast:

Selectmen

Frank Alexander	119
John Brown	106
Forrest F. Collier.....	206
Martin Conway	296
Ralph E. Manning.....	246
Prescott L. Pasho.....	221
Thomas F. Sheridan.....	208
Josiah Wright	256
Blanks	235

Assessors

Charles H. Kemp.....	312
Edward A. King.....	273
Blanks	46

Overseers of the Poor

Richard J. Conway.....	451
Warren Holden	418
Coburn S. Smith.....	432
Blanks	590
James Hand	1
William Morris	1

Moderator

Charles H. Eames.....	454
Blanks	174
John Verner	2
Dennis Mahoney	1

Town Clerk.

Herbert A. King.....	337
Guy L. Kittredge.....	236
Blanks	56
Everett Bull	1
C. D. Tutein.....	1

Town Treasurer

Herbert A. King.....	341
Chester A. Wright.....	230

Blanks	56
Everett Bull	4

Collector of Taxes

Everett S. Bull.....	488
Blanks	140
Cony Pooler	1
Carl Delehanty	1
Joseph Kearney	1

Surveyor of Highways

John H. Downing.....	77
Harry W. Essex.....	348
John F. Finnegan.....	167
Frederic A. R. Mixon.....	18
Blanks	21

Constable

Henry D. Livingston.....	356
John J. McSweeney.....	347
William Henry O'Brien.....	283
Blanks	276

School Committee

Maurice A. Buck.....	457
Blanks	176
John H. Verner.....	1

Auditors

Arthur S. Cook.....	415
George P. Greenwood.....	413
Frederic Wain	395
Blanks	669
Wm. McCarthy	1

Town Hall Sinking Fund Commissioner

Charles H. Eames.....	415
Blanks	214
Frank Mahoney	2

Water Commissioner

Warren Holden	299
Isaac Hopkinson	248
Harry J. Montgomery.....	33
Blanks	51

School House Loan Sinking Fund Commissioner

Thomas Clark	400
Blanks	231

Cemetery Commissioner

John A. Richardson.....	439
Blanks	192

Tree Warden

John W. Bostwick.....	418
Blanks	207
Frank Mahoney	1
Edward Dugan	1
Patrick Delehanty	1
Jeremiah Linehan	1
William Costello	1
John Verner	1

Board of Health

Neil K. Forhan.....	422
Blanks	208
E. J. Alley.....	1

Park Commissioner

J. Nelson Parker.....	422
Blanks	209

**Shall License be Granted for the Sale of Intoxicating Liquors
in this Town?**

Yes	195
No	362
Blanks	74

Total Vote

Males	631
Females	3

The following served as election officers:

Warden, Denis J. Mahoney.
 Deputy Warden, Michael H. McElligott.
 Clerk, Charles A. Wright.
 Deputy Clerk, Albert H. Richardson.
 Inspector, Timothy J. McCarthy, Jr.
 Deputy Inspector, Charles E. Scott.
 Inspector, Guy M. Richardson.
 Deputy Inspector, Geo. W. Chambers.

Article 1. Choose C. A. Bowman a member of the Bowers' Fund Committee for five years.

Article 2. Choose the Constables for Field Drivers for the ensuing year.

Choose the Selectmen as Fence Viewers for the ensuing year.

Choose the following as Measurers of Wood and Lumber for the ensuing year: John E. Rowell, W. F. Symmes, B. W. Kearney, George E. Simonds, Charles A. Foster, Henry D. Livingston, Charles E. Morley, Voluntine Rollins, Thomas E. Smith, George E. Moore, Leslie W. Hammond.

Article 3. On motion of Mr. Franklin Jaquith it was voted that the Treasurer's report contain a report of the Elliott Trust Fund each year.

Mr. Dickinson moved that the report of the Water Commissioners be not accepted, and that it be referred back to the Water Commissioners to report in detail in printed form. This was voted.

Mr. Kennelly moved that all sums that are paid to an individual for a similar purpose be reported in one sum. So voted.

Article 4. On motion of T. E. Smith it was voted that the bridges be under the care of the Selectmen.

Article 5. Under this Article the following sums were voted:

Constable, Janitor and Police.....	\$ 2,100.00
Incidentals	1,000.00
Maintenance of Public Buildings.....	400.00

Common and Town Pump.....	125.00
Treasurer's and Collector's Bond.....	160.00
Insurance	600.00
Soldiers' Relief	100.00
Interest	2,200.00
Indexing Records	50.00
Printing	500.00
Street Lighting	2,500.00
Memorial Day	125.00
Assessors' Special	120.00
Schools (see additional appropriation).....	31,000.00
Medical Inspection of Schools.....	500.00
Board of Health.....	1,000.00
Highway Repairs	5,000.00
Sidewalks	600.00
Town Farm	800.00
Outside Relief	800.00
Moth Work	2,177.15
Elm Beetle	400.00
Tree Warden	200.00
Fire Department	6,000.00
Cemeteries	900.00
Hydrants	4,125.00
Town Notes	10,500.00
Sinking Fund and Bond Interest Town Hall.....	2,000.00
High School Bond Interest.....	3,600.00
Sinking Fund and Bond Interest School House.....	1,750.00
Sinking Fund Water Bonds.....	1,800.00

Salaries:

Selectmen	600.00
Assessors	900.00
Overseers of the Poor.....	300.00
School Committee	180.00
Town Clerk	300.00
Town Treasurer	500.00
Tax Collector	600.00
Election Officers	300.00
Fish Warden	10.00
Auditors	150.00
Special Auditor	150.00

Sealer of Weights and Measures.....	100.00
Registrars of Voters.....	200.00
Board of Health.....	150.00
Cattle Inspector	100.00
Forest Warden	25.00

Mr. Greenwood moved that \$1,000.00 be transferred from Industrial School account to School accounts. So voted.

Mr. Greenwood moved that the Assessors' salary be \$900.00. So voted.

Mr. Kennelly moved that the salary of Fish Warden be \$10.00. So voted.

Mr. Tutein moved salary of Forest Warden be \$25.00. So voted.

Mr. Dickinson moved reconsideration of police appropriation. Yes, 49; No, 51.

On motion of H. A. King it was voted to raise by taxation \$85,000.00 under this Article.

Article 6. On motion of F. S. Clark it was voted to dismiss this Article.

Article 7. On motion of Geo. P. Greenwood it was voted that \$2,500.00 be appropriated from Excise income for macadam on Boston Road, provided the County and State each contribute a like amount.

Article 8. On motion of Mr. F. S. Clark the following unexpended balances were returned to the Treasury: Bounty, \$125.00; Bridle Road, \$33.00; Dudley Road Trees, \$8.48; Fire Alarm System, \$2.43; Fireproof Vault Fittings, \$26.00; Fordway Bridge, \$96.94; Heating Plant, Pollard School, \$70.00; Investigation Fordway Bridge, \$100.00; Moving Bridge Material, \$50.00; Moving Stone Crusher, \$99.00; Pollard School Grounds, \$100.00; Repairs Town Farm, \$2.03; Sanitary Drinking Fountain, \$130.35; Tax Accounting, \$79.00.

Article 9. Dr. Hosmer moved that \$2,250.00 be raised and appropriated for macadam on Concord Road, and it was so voted.

Article 10. On motion of Mr. Clark it was voted that this matter be referred to the Highway Surveyor, with instructions to repair this

sidewalk with gravel, the expense to be charged to the regular sidewalk appropriation.

Article 11. Mr. Manning moved that this Article be dismissed.

Mr. Meaney moved to amend, "That the recommendation of the Finance Committee be accepted,"

And it was voted "That this Article be dismissed and that a special meeting be called to consider other plans for the location of a Fire Station."

Article 12. It was voted that this Article be dismissed.

Article 13. It was moved and voted "That we do not sell the School House at West Billerica; that we do not sell the School House at South Billerica; that the Crosby School and land be sold, if the Town owns the land."

Article 14. On motion of Mr. F. S. Clark it was moved that \$500.00 be raised and appropriated for work on the Keohlrausch playground at North Billerica.

Article 15. On motion of Mr. J. E. Rowell it was voted to raise and appropriate \$300.00 to continue sidewalk on High Street near Hillcrest.

Article 16. On motion of George P. Greenwood it was voted that \$636.97 be raised and appropriated to pay bills of the Highway Department contracted in 1914.

Article 17. Mr. Alexander moved that \$200.00 be raised and appropriated for relaying walls on Pond Street. This was voted in the affirmative.

Article 18. Mr. Sellew moved that \$682.50 be raised and appropriated for street lighting from Tufts Lane to the Burlington line.

Mr. Kennelly moved that this Article be laid upon the table until the next annual meeting.

The motion to lay on the table was lost, 15 voting Yes and 27 voting No.

Mr. Sellew's motion was carried in the affirmative.

The Moderator appointed as tellers F. L. Day, T. T. Clark, G. N. Dodge, J. W. Bostwick, sworn by the Town Clerk.

Article 19. Mr. Kennelly moved that this Article be dismissed. This motion was not carried.

Mr. Clark moved that \$150.00 be raised and appropriated for the use of the Park Commission. This was voted in the affirmative.

Article 20. On motion of Mr. Clark it was voted to accept the Building By-laws, which are as follows: "There shall be a building inspector appointed by the Selectmen, who shall have the right to enter all buildings or premises in the Town in the pursuance of his duty. He shall record all inspections and business, make the yearly report required to the Selectmen by law, and such other reports as they may call for. He shall frequently inspect all buildings in course of erection or alteration. He shall report violations of the law and the names of those responsible for such, to the Selectmen. Before the erection of a new building or the repairs or alteration of any building to cost in excess of \$100.00 is undertaken there shall be filed with the building inspector sketches, plans, or descriptions covering all detail of construction for his approval or disapproval. In case of disapproval the matter may be further presented to the Board of Selectmen for action.

"All parts of all buildings shall be not less than seven one-half feet from the side lines of the property upon which placed. There shall be no dwellings in which provision shall be made for more than one family living above another, or that shall be over two and one-half stories in height. All rooms and every water closet shall be provided with outside windows that shall be made to open one-half their entire area. The glazed surface of the windows of such rooms measured between stop beads shall be at least one-sixth of the area of the floor of such room. Cesspools shall be placed and plumbing installed as directed by the inspector and in accordance with the rules of the Board of Health. Any person violating these By-laws shall be punished by a fine of not less than \$25.00 or more than \$100.00, to be paid into the treasury of the Town of Billerica. These requirements and penalties shall apply to such other rules and regulations for building as shall be made from time to time by the Board of Selectmen."

The Town Clerk makes this explanation: "These By-laws, voted under Article No. 20, are not presented to the Attorney-General for his approval because they are not inserted in the Warrant for the Annual Town Meeting, as the By-laws of the Town require."

Article 21. On motion of Mr. Williams it was voted to adopt the following By-laws:

Article 1. By striking out Section 1 and inserting in place thereof the following:

"The Annual Town Meeting for the election of Town officers, and for other purposes, shall be held on the second Saturday of February in each year.

"Articles for the Warrant for all Town Meetings must be received by the Selectmen at least thirty days before the meeting.

"The Selectmen shall deliver a copy of the Articles presented for every meeting to the Town Clerk at least twenty-eight days before the date of meeting."

Article 1. By striking out Section 4 and inserting in place thereof the following:

"The Town Clerk, upon receipt from the Selectmen of a copy of the Articles presented for a Town Meeting, shall forthwith send by mail to each member of the Finance Committee a call for a meeting to be held at the Town Hall. The time set for said meeting shall be not less than 48 hours nor more than 72 hours after the mailing of said call. The Finance Committee shall carefully consider all Articles in the Warrant, and it shall make a printed report of its investigations and recommendations pertaining thereto, giving their reasons for the latter. In case the committee cannot make a unanimous report, the minority may print their opinions and recommendations with those of the majority.

"The Finance Committee shall meet on the second Monday of March, June and October for the purpose of considering reports as to Town affairs from its sub-committees.

"The records and books of all departments of the Town shall be open to the inspection of any of these committees, and upon request

all officials of the Town shall give said committees assistance in securing information in regard to their respective departments.”

Article 22. Mr. Pickard moved that we raise and appropriate the sum asked for in this Article. This motion did not prevail.

Article 23. Mr. Kennelly moved that this Article be dismissed. This motion was not carried.

Mr. Williams moved acceptance by the Town.

This motion did not prevail.

Moved and voted in the affirmative: “That the Moderator appoint a committee of five to look into the requirements in laying out and accepting town ways.”

Article 24. On motion of Mr. Wright it was voted to raise and appropriate \$100.00 for care of Stearns and Blanchard Brooks.

Article 25. On motion of H. A. King it was voted to raise and appropriate \$300.00 for the purpose named in this Article.

Article 26. On motion of Mr. Meaney it was voted to raise and appropriate \$600.00 for a new sprayer for the Moth Department, providing the State will appropriate a like amount.

Article 27. On motion of Mr. P. Kennelly it was voted not to make an appropriation, but to refer the matter to the Highway Surveyor. Also that the Selectmen be requested to have this road relocated.

Article 28. On motion of Mr. Kennelly it was voted to refer this matter to the committee appointed under Article 23.

Article 29. This Article was dismissed.

Article 30. Mr. Kennelly moved that this Article be referred to the next Annual Meeting. This motion did not prevail.

It was moved and voted that a committee to report on the purchase of a fire truck, to consist of the Selectmen, chief of Fire Department and Moderator, be appointed to report at the next special or Annual Town Meeting.

Article 31. Mr. Williams moved that the ways named in this Article be accepted by the Town when satisfactory to the Board of Selectmen. This was voted in the affirmative.

Article 32. On motion of Mr. Dickinson this Article was dismissed.

Article 33. Moved and voted that this matter be referred to the Committee on Building Laws.

Article 34. It was unanimously voted "That the Town Treasurer be and hereby is authorized, with the approval of the Selectmen, to borrow temporarily in anticipation of the revenue of the current year a sum not exceeding the total tax levy for said year, giving the note or notes of the Town for money so borrowed. Such note or notes to be payable within one year from the date thereof and from the revenue of 1916."

On motion of Dr. Buck it was unanimously voted that a vote of thanks be given the Moderator for his able, impartial and efficient conduct of the meeting.

This motion was presented to the voters by the Town Clerk.

The result of the election was declared by Jas. P. Meaney, as Moderator pro tem.

Report of the Finance Committee to the Citizens of Billerica, February, 1916.

Your committee held three meetings to consider the Warrant, nearly all of the members being present at each meeting.

The various department officials were represented at the meeting and explained the needs of their departments.

The rate of taxation for 1915 was \$20 per \$1,000, a higher rate than ever before, in spite of the fact that the Town valuation has doubled within a few years.

There has been an impression in the minds of many that this was a temporary rate which would be immediately reduced, but the Town has already committed itself to obligations in the way of bonds

and notes for water extensions, school buildings, town Hall, concrete bridges, etc., which, with the necessary annual appropriations for the various Town departments, will make the rate of taxation higher than \$20 if voters do not exercise judgment in avoiding expenditures for projects which are not really necessary, though very good to have if the Town could afford it.

If all of the appropriations called for in the Warrant are made, we shall have a tax rate of about \$22 per \$1,000, and even with those which the Finance Committee has recommended the rate is likely to be higher than last year.

Recommendations.

The recommendations under Article 5 are omitted because they are very nearly the same as the vote recorded under Article No. 5.

Article 6. Not recommended.

Article 7. Recommended that this appropriation be made from Excise income.

Article 8. Recommended that the following balances be transferred to the unexpended treasury balance: Bounty, \$125.00; Bridle Road, \$33.00; Dudley Road Trees, \$8.48; Fire Alarm System, \$2.43; Fireproof Vault Fittings, \$26.00; Fordway Bridge, \$96.94; Heating Plant Pollard School, \$70.00; Investigation Fordway Bridge, \$100.00; Moving Bridge Material, \$50.00; Moving Stone Crusher, \$99.00; Pollard School Grounds, \$100.00; Repairs Town Farm, \$2.03; Sanitary Drinking Fountain, \$130.55; Tax Accounting, \$79.00.

Article 9. Recommended that \$2,250.00 be raised and appropriated.

Article 10. Recommended that no appropriation be made, but that the Highway Surveyor be requested to make needed repairs.

Articles 11 and 12. Recommended that these Articles be dismissed, and that the committee recommend the calling of a special meeting to consider other plans for the location of a fire station.

Article 13. Voted to recommend the sale of Crosby School and land, if Town owns land.

Not to sell West Billerica School.

Not to sell South Billerica School.

Article 14. Voted to recommend \$500.00.

Article 15. Voted not to recommend.

Article 16. Voted to recommend.

Article 17. Voted to recommend.

Article 18. Recommended if contract can be made as asked for by this Article.

Article 19. Recommended.

Article 22. Not recommended.

“As a minority member of the Finance Committee I suggested that the matter of fire protection in South Billerica District should be referred to a committee for further consideration. I therefore desire to make this recommendation, so that this matter may be considered fully.”

FORREST F. COLLIER.

Article 24. Recommended.

Article 25. Recommended.

Article 26. Recommended.

Article 27. Recommended that we do not make an appropriation, but that the matter be referred to the Highway Surveyor.

It is also recommended that the Selectmen be requested to have this road relocated.

Article 28. Recommended.

Article 29. Recommended.

Article 30. This is not recommended because at present the Town has no proper place to keep a fire truck.

Respectfully submitted,

GEO. P. GREENWOOD, Chairman;

HERBERT A. KING, Clerk;

For Finance Committee.

Report of the Precinct Officers.

Billerica, Mass., Feb. 12, 1916.

Polls opened at 6 a. m. with seven officers present. Ballot box did not register. Opened the box and commenced counting at 10 a. m. with all officers present. One hundred fifty ballots counted when meeting adjourned for dinner (election was not adjourned). Proceeded with counting at 1.20 p. m. At 3.45 a ballot was found in one of the booths that was checked. A voter came in but had not been checked at box, as was proven on counting the check list. By vote of the Town early in the meeting the polls closed at 5 p. m. Supper served in lower hall at 5.35 p. m., and vote counted at 7.25, and announced to the meeting.

CHARLES A. WRIGHT,

Precinct Clerk.

Article 23. Committee appointed by the Moderator under Article 23 was

E. P. Sellew
Forrest Collier
Herbert A. King
Charles H. Williams
Frank Fitzgerald

Attest,

HERBERT A. KING,

Town Clerk.

WARRANT

Primary, April 25, 1916

THE COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To either of the Constables of the Town of Billerica:

GREETING:

In the name of the Commonwealth you are hereby required to notify and warn the inhabitants of said Town who are qualified to vote in Primaries, to meet in Precinct 1, Town Hall, and Precinct 2, Union Hall, Tuesday, the twenty-fifth day of April, 1916, at Two o'clock P. M., for the following purposes:

To bring in their votes to the Primary Officers for the Election of Candidates of Political Parties for the following offices:

Four Delegates at Large to the National Convention of the Republican Party.

Four Alternate Delegates at Large to the National Convention of the Republican Party.

Four Delegates at Large to the National Convention of the Democratic Party.

Four Alternate Delegates at Large to the National Convention of the Democratic Party.

Eight Delegates at Large to the National Convention of the Prohibition Party.

Eight Alternate Delegates at Large to the National Convention of the Prohibition Party.

Two District Delegates to the National Convention of the Republican Party, 5th Congressional District.

Two Alternate District Delegates to the National Convention of the Republican Party, 5th Congressional District.

Two District Delegates to the National Convention of the Democratic Party, 5th Congressional District.

Two Alternate District Delegates to the National Convention of the Democratic Party, 5th Congressional District.

One District Delegate to the National Convention of the Prohibition Party, 5th Congressional District.

One Alternate District Delegate to the National Convention of the Prohibition Party, 5th Congressional District.

All the above candidates and officers are to be voted for upon one ballot.

The polls will be open from Two to Eight P. M.

And you are directed to serve this Warrant by posting attested copies thereof eight days at least before the time of said meeting as directed by vote of the Town.

Hereof fail not and make return of this Warrant, with your doings thereon, at the time and place of said meeting.

Given under our hands this 3rd day of April, A. D. 1916.

JOSIAH WRIGHT,
RALPH E. MANNING,
MARTIN CONWAY,
Selectmen of Town of Billerica.

Billerica, Mass., April 25, 1916.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON,
Constable.

— Under the above Warrant the following vote was cast:

REPUBLICAN

Delegates at Large

	Prec. 1.	Prec. 2.	Total.
Grafton D. Cushing.....	26	26	52
Charles Sumner Bird.....	27	24	51
Augustus P. Gardner.....	26	26	52
Robert M. Washburn.....	27	23	50
Samuel W. McCall.....	29	36	65
Henry Cabot Lodge.....	28	34	62
John W. Weeks.....	28	30	58
Winthrop M. Crane.....	29	30	59
Blanks	28	7	35

Alternate Delegates at Large

	Prec. 1.	Prec. 2.	Total.
Alexander McGregor	24	20	44
Lombard Williams	23	19	42
Daniel Cosgrove	24	20	44
William M. Armstrong.....	23	20	43
Butler Ames	28	34	62
Louis A. Frothingham.....	27	33	60
Eben S. S. Keith.....	26	33	59
Frank W. Stearns.....	26	32	58
Blanks	47	25	72

District Delegates—Fifth District

Fred O. Lewis.....	25	22	47
Frederick P. Glazier.....	23	23	46
Herbert E. Fletcher.....	27	31	58
John N. Cole.....	27	30	57
Blanks	22	13	33

Alternate District Delegates—Fifth District

Gardner W. Pearson.....	27	24	47
Edwin C. Perham.....	22	24	46
Frank E. Dunbar.....	19	27	46
Wilford D. Gray.....	20	27	47
Blanks	40	16	56

DEMOCRATIC**Delegates at Large**

David I. Walsh.....	5	9	14
Joseph H. O'Neil.....	5	9	14
Humphrey O'Sullivan	5	9	14
Charles B. Strecker.....	5	9	14

Alternate Delegates at Large

H. Oscar Rocheleau.....	4	8	12
Edmund D. Codman.....	4	8	12
Vincent Brogna	4	8	12
Thomas F. Higgins.....	4	8	12
Blanks	4	8	12

District Delegates—Fifth District

	Preec. 1.	Preec. 2.	Total.
Robert J. Crowley.....	4	8	12
J. Joseph O'Connor.....	4	8	12
Blanks	2	2	4

Alternate District Delegates—Fifth District

John T. Donehue.....	4	9	13
Joseph P. Donohue.....	4	9	13
Blanks	2	0	2

No Prohibition Vote cast in Precinct 1.

Total vote in Precinct 1, 70.

Total vote in Precinct 2, 69.

PROHIBITION**District Delegate**

John B. Nugent.....	0	1	1
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Alternate District Delegate

John R. Conway.....	0	1	1
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CLERK'S REPORT.**Precinct No. 1.**

The Presidential Primary Election, Town of Billerica, Mass., Precinct 1, was held at Town Hall, Billerica, Mass., April 25, 1916.

The Polls opened at 2 o'clock p. m.

Election officers present:

Michael H. McElligott, Warden.

D. Frank Reardon, Deputy Warden.

Charles A. Wright, Clerk.

Albert H. Richardson, Deputy Clerk.

Everett S. Bull.

Frank L. Day.

Philip B. Dolan.

The Polls closed at 8 o'clock p. m.

Total vote, seventy (70).

CHARLES A. WRIGHT,

Precinct Clerk.

CLERK'S REPORT.**Precinct No. 2.**

North Billerica, Nov. 25, 1916.

Report of Clerk of Precinct Officers, Precinct No. 2, Presidential Primary.

Polls opened at 2 o'clock.

Guy M. Richardson, Warden.

George W. Chambers, Deputy Warden.

Dennis J. Mahoney, Clerk.

Charles H. Bailey, Frank Walker, Edward Riley, Timothy J. McCarthy, Inspectors and Deputies.

Whole number of ballots.....	500
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Number of ballots used.....	69
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Number of ballots returned.....	431
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Polls closed at 8 o'clock.

Total vote cast, 69.

Ballot box missed two counts.

Deputy Clerk Daniel Fitzpatrick was unable to be present.

Charles Bailey acted as Deputy Clerk.

DENNIS J. MAHONEY,

Precinct Clerk.

Attest,

HERBERT A. KING,

Town Clerk.

SPECIAL TOWN MEETING

TOWN OF BILLERICA.

WARRANT.

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To any Constable in the Town of Billerica:

GREETING:

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs, to meet at the Town Hall, Billerica, at 12 o'clock noon, Saturday, July 22, 1916, to bring in their votes on one ballot for the following officer:

One Selectman for the term ending February 10, 1917.

The polls will be open from 12 o'clock noon to 8 P. M.

And you are to serve this Warrant by posting true and attested copies thereof, one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post Offices of the Town, and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this, the twenty-eighth day of June, in the year of our Lord, 1916.

RALPH E. MANNING,

MARTIN CONWAY,

Selectmen of the Town of Billerica.

Billerica, July 22, 1916.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON,

Constable.

Under this Warrant the following vote was cast:

Selectmen

Forrest F. Collier.....	201
Prescott L. Pasho.....	202
Sworn by Clerk July 24, 1916.	
Blanks	4
Vote of Precinct No. 1.....	242
Vote of Precinct No. 2.....	165
Total	407

The election officers were as follows:

Warden, Edward T. Riley.

Deputy Warden, Michael H. McElligott.

Clerk, Charles A. Wright.

Deputy Clerk, Albert H. Richardson.

Inspector, Timothy J. McCarthy, Jr.

Deputy Inspector, Charles E. Scott.

Inspector, Guy M. Richardson.

Deputy Inspector, Everett S. Bull.

Billerica, Mass., July 22, 1916.

Polls opened at 12 m.

Six officers present.

Ballot box did not work satisfactory, so had to remove mechanical device.

Other two officers reported for duty.

Commenced counting ballots at 1.45 p. m.

One hundred ballots cast at 2.47 p. m.

Changed to other ballot box at 2.47 p. m.

First ballot registered three on ballot box.

Polls closed at 8 p. m.

Total vote, 407.

Precinct No. 1.....	242
Precinct No. 2.....	165

Prescott L. Pasho.....	202
Forrest F. Collier.....	201
Blanks	4

CHARLES A. WRIGHT,

Precinct Clerk.

Attest,

HERBERT A. KING,

Town Clerk.

Billerica, Mass., July 26, 1916.

This certifies that we have this day recounted the ballots cast for Selectmen at the Special Election held July 22, 1916, and find the vote cast to be as follows:

Forrest F. Collier had two hundred and one votes (201).

Prescott L. Pasho had two hundred and two votes (202).

Blanks four (4).

ALBERT H. RICHARDSON,

JAMES J. CAMPBELL,

JOHN H. MAHONEY,

HERBERT A. KING,

Registers of Voters of Billerica, Mass.

ANNUAL PRIMARY

TOWN OF BILLERICA

WARRANT

THE COMMONWEALTH OF MASSACHUSETTS,
MIDDLESEX, SS.

To either of the Constables of the Town of Billerica:

GREETING:

In the name of the Commonwealth you are hereby required to notify and warn the inhabitants of said Town who are qualified to vote in Primaries, to meet in Precinct 1, Town Hall, Billerica; Precinct 2, Union Hall, North Billerica, at 2 o'clock P. M., Tuesday, the 26th day of September, 1916, for the following purposes:

To bring in their votes to the Primary Officers for the nomination of Candidates of Political Parties for the following offices:

Governor; Lieutenant Governor; Secretary of the Commonwealth; Treasurer and Receiver General; Auditor of the Commonwealth; Attorney-General; Senator in Congress; Representative in Congress from the 5th Congressional District; Councillor from the 6th Councillor District; Senator from the 7th Senatorial District; Representative in General Court from the 17th Middlesex Representative District; County Commissioner, Middlesex County; Two Associate Commissioners, Middlesex County; District Attorney, Northern (Middle-

sex) District; Clerk of the Courts, Middlesex County; Register of Deeds, Middlesex County; Register of Probate and Insolvency, Middlesex County, to fill vacancy.

And for the Election of the following officers:

District Member of the State Committee for each political party for the 7th Senatorial District; Members of the Democratic Town Committee; Members of the Republican Town Committee; Members of the Prohibition Town Committee; Delegates to State Conventions of Political Parties.

All the above candidates and officers are to be voted for upon one ballot.

The polls will be open from 2 P. M. to 8 P. M.

And you are directed to serve this Warrant by posting attested copies thereof eight days at least before the time of said meeting, as directed by vote of the Town.

Hereof fail not, and make return of this Warrant, with your doings thereon, at the time and place of said meeting.

Given under our hands this 11th day of September, A. D. 1916.

RALPH E. MANNING,
PRESCOTT L. PASHO,
MARTIN CONWAY,

Selectmen of the Town of Billerica.

Billerica, Mass., Sept. 26, 1916.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON,

Constable of the Town of Billerica.

Under the foregoing Warrant the following vote was cast:

REPUBLICAN

Governor

	Prec. 1.	Prec. 2.	Total.
Samuel W. McCall.....	139	158	297
Blanks	39	73	112

Lieutenant Governor

Calvin Coolidge	134	150	284
Blanks	44	81	125

Secretary

Albert P. Langtry.....	123	134	257
Blanks	55	97	152

Treasurer

Charles L. Burrill.....	120	140	260
Blanks	58	91	149

Auditor

Joseph B. Brown.....	49	65	114
Alonzo B. Cook.....	76	80	156
Blanks	53	86	139

Attorney-General

Henry C. Attwill.....	123	130	253
Blanks	55	101	156

Senator in Congress

Henry Cabot Lodge.....	129	141	270
Blanks	47	90	139

Congressman—Fifth District

John Jacob Rogers.....	139	162	301
Blanks	39	69	108

Councillor—Sixth District

James G. Harris.....	63	73	136
Henry C. Mulligan.....	57	86	143
Blanks	58	72	130

Senator—Seventh Middlesex District

	Prec. 1.	Prec. 2.	Total.
Burton H. Crosby.....	16	53	69
Charles A. Kimball.....	30	40	70
Immanuel Pfeiffer, Jr.....	100	85	185
Blanks	32	53	85

Representative in General Court—Seventeenth Middlesex District

Albert C. Blaisdell.....	31	20	51
Jeremiah K. Chandler.....	83	58	141
Edgar F. Twombly.....	62	147	209
Blanks	2	6	8

County Commissioner—Middlesex

Smith J. Adams.....	17	38	55
Erson B. Barlow.....	55	60	115
Charles H. McIntire.....	72	66	138
Blanks	34	67	101

Associate Commissioners—Middlesex County

Frederic P. Barnes.....	108	118	226
H. Harding Hale.....	83	92	175
Blanks	165	252	417

District Attorney—Northern District

Nelson P. Brown.....	36	34	70
Philip M. Clark.....	20	8	28
John J. Higgins.....	54	83	137
Nathan A. Tufts.....	40	57	97
Blanks	28	49	77

Clerk of Courts—Middlesex

William C. Dillingham.....	120	136	256
Blanks	58	95	153

Register of Deeds—Middlesex Northern District

Frank K. Stearns.....	122	139	261
Blanks	56	92	158

**Register of Probate and Insolvency—Middlesex County
(to fill vacancy)**

	Prec. 1.	Prec. 2.	Total.
William G. Andrew.....	29	39	68
Roland E. Brown.....	15	28	43
Frederick M. Esty.....	69	70	139
Blanks	65	94	159

State Committee—Seventh Middlesex District

Louis Pfeiffer	101	114	215
Blanks	77	117	194

Delegates to State Convention

Ralph E. Manning.....	104	121	225
Ivory M. Hanson.....	101	109	210
James F. Fuller.....	111	116	227
Twombly	0	4	4
Blanks	218	324	560

Town Committee

John Brown, of 43 Wilson Street.....	102	118	220
James F. Fuller, of Allen Road.....	103	111	214
Thomas T. Clark, of Mt. Pleasant Street	104	117	221
Albert H. Richardson, of Boston Road..	108	113	221
Warren Holden, of Pond Street.....	106	109	215
Dana H. Spiller, of Boston Road.....	107	107	214
Clarence A. Bowman, of Wyman Road..	107	107	214
Herbert A. King, of Andover Road....	103	113	216
John A. Richardson, of Boston Road...	109	111	220
Thomas Jennings, of River Street.....	102	107	209
Prescott L. Pasho, of Boston Road....	109	114	223
Charles H. Bailey, of Lowell Street....	101	110	211
John J. Ritchie, of Call Street.....	103	112	215
Bernard F. Fetherston, of 10 Talbot Ave	93	112	205
William McBride, of 6 Colson Street...	102	109	211
Frederic G. Brown, of 32 Talbot Avenue	102	108	210
Ralph E. Manning, of 8 Lowell Street...	104	114	218
Leon Roundy, of Colson Street.....	103	107	210
Arthur Howland	7	0	7
Henry James.....	1	0	1

	Prec. 1.	Prec. 2.	Total.
Charles Turner	1	0	1
Edgar F. Twombly.....	1	12	13
Robert Bull	1	0	1
John Bostwick	1	10	11
Roger Barrington	0	1	1
Robert Tivey	0	2	2

DEMOCRATIC

Governor

	Prec. 1.	Prec. 2.	Total.
Charles H. Cole.....	2	8	10
Frederick W. Mansfield.....	5	18	23
Blanks	4	3	7

Lieutenant-Governor

Thomas P. Riley.....	5	24	29
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Secretary

Leon R. Eyges.....	5	21	26
Blanks	6	8	14

Treasurer

Henry N. Teague.....	5	20	25
Blanks	6	9	15

Auditor

John B. N. Soulliere.....	5	20	25
Blanks	6	9	15

Attorney-General

Joseph Joyce Donahue.....	5	21	26
Blanks	6	8	14

Senator in Congress

John F. Fitzgerald.....	6	23	29
Blanks	5	6	11

Congressman—Fifth District

	Prec. 1.	Prec. 2.	Total.
Roger Sherman Hoar.....	6	22	28
Blanks	5	7	12

Councillor—Sixth District

John J. Hogan.....	1	0	1
Blanks	10	29	39

Senator—Seventh Middlesex District

Frederic W. Burke.....	4	18	22
Blanks	7	11	18

Representative in General Court—Seventeenth Middlesex District

John R. Higgins.....	1	0	1
Blanks	10	27	37
Thomas McElligott.....	0	1	1
Jeremiah Chandler	0	1	1

County Commissioner—Middlesex

Blanks	11	29	40
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Associate Commissioners—Middlesex County

Blanks	22	58	80
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District Attorney—Northern District

William R. Scharton.....	4	17	21
Blanks	7	12	19

Clerk of Courts—Middlesex

Blanks	11	29	40
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Register of Deeds—Middlesex Northern District

William C. Purcell.....	5	21	26
Blanks	6	8	14

**Register of Probate and Insolvency—Middlesex County
(to fill vacancy)**

Timothy E. Quinn.....	4	18	22
Blanks	7	11	18

State Committee—Seventh Middlesex District

	Prec. 1.	Prec. 2.	Total.
Richard L. Fitzgerald.....	3	15	18
Blanks	8	14	22

Delegates to State Convention

Edward R. Costello.....	5	19	24
John R. Kiggins.....	5	21	26
Blanks	12	18	30

Town Committee

Edward R. Costello.....	6	21	27
James P. Condon.....	7	20	27
Frederick Hannon	6	20	26
William McGrath	6	19	25
Michael H. McElligott.....	7	22	29
Thomas F. McElligott.....	6	21	27
John R. Kiggins.....	6	22	28
Dennis J. Mahoney.....	6	20	26
William S. Taylor.....	6	16	22
Daniel McSweeney	6	21	27
Dennis J. Dewire.....	6	19	25
Jeremiah Linehan	6	16	22
Thomas Riley	6	18	24
John M. Kennelly.....	6	18	24
John Twomey	7	20	27
Arthur L. Mahoney.....	6	19	25
Blanks	77	152	229

PROHIBITION**Governor**

	Prec. 1.	Prec. 2.	Total.
Chester B. Lawrence.....	0	1	1

Lieutenant Governor

Alfred H. Evans.....	0	1	1
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No other candidates voted for on Prohibition Ballot.

Billerica, Mass., Sept. 26, 1916.

Annual State Primary.

Polls opened at 2 o'clock with six precinct officers present, who were sworn in by the Warden, Charles A. Wright.

By vote of the precinct officers Francis J. Dolan was elected to take the place of Philip B. Dolan, absent.

The eighth precinct officer came on duty and was sworn in at 2.20 p. m.

The ballot box failed to register the total vote.

The polls were closed at 8 o'clock.

The total vote cast was 196.

M. H. McELLIGOTT,

Clerk of Precinct No. 1.

The Warden, Charles A. Wright, was sworn in by the Town Clerk.

Vote of Precinct	No. 1 Precinct	No. 2
Republican	178	231
Democratic	11	29
Prohibition	0	1
Blanks	7	24
	<hr/>	<hr/>
	196	285-401

Precinct No. 2.

North Billerica, Mass., Sept. 26th, 1916.

At the Primary Election held on above date the following election officers were present and sworn in by Town Clerk Herbert A. King:

Guy Richardson, Clerk.

Frédéric G. Brown, Deputy Clerk.

Dennis J. Mahoney, Warden.

Timothy J. McCarthy, Jr., Deputy Warden.

Charles H. Bailey, Inspector.

Frank Walker, Deputy Inspector.

Deputy Edward Riley, owing to sickness, was unable to be present. By a unanimous vote of the election officers present Thomas J. Riley was substituted for Deputy Edward Riley and sworn in by Town Clerk Herbert A. King.

Polls opened at 2 o'clock.

Geo. E. Chase's name was not on the check list, but he was allowed to vote by order of Herbert A. King.

Daniel Fitzpatrick, Inspector, was not present. It was voted unnecessary by the election officers present to choose a substitute.

Walter Chambers' name was not on check list, but was allowed to vote by order of Herbert A. King, Town Clerk.

Polls closed at 8 o'clock.

Number of ballots cast, 285.

Blanks, 24.

GUY M. RICHARDSON,
Precinct Clerk.

Attest,

HERBERT A. KING,
Town Clerk.

ANNUAL STATE ELECTION

TOWN OF BILLERICA

WARRANT

COMMONWEALTH OF MASSACHUSETTS,

MIDDLESEX, SS.

To any Constable of the Town of Billerica:

GREETING:

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs, to meet at Precinct 1, Town Hall, Billerica Centre, at 6 o'clock A. M.; Precinct 2, Union Hall, North Billerica, at 6 o'clock, A. M., Tuesday, November 7, 1916, to bring in their votes on one ballot for the following officers:

Presidential Electors; Governor; Lieutenant Governor; Secretary; Treasurer; Auditor; Attorney-General; Senator in Congress; Congressman; Councillor; Senator; Representative in General Court; County Commissioner; Two Associate County Commissioners; Clerk of Courts; Register of Deeds; Register of Probate and Insolvency; District Attorney.

Also to vote on the following questions:

Acceptance of Chap. 98, General Acts of 1916, entitled "An Act to ascertain and carry out the will of the people relative to the calling and holding of a constitutional convention."

Acceptance of Chap. 104, General Acts of 1916, entitled "An Act to make the first day of January, known as New Year's Day, a legal holiday."

Acceptance of Chap. 179, General Acts of 1916, entitled "An Act to prevent the voters of one political party from voting in the primaries of another political party."

Polls may close at 4 P. M.

And you are directed to serve this Warrant by posting true and attested copies thereof, one copy at the Town Hall, one copy at Union Hall, one copy in each of the Post Offices of the Town, and one copy at ten or more public and conspicuous places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this twenty-seventh day of October, in the year of our Lord nineteen hundred and sixteen.

RALPH E. MANNING,
PRESCOTT L. PASHO,
MARTIN CONWAY,
Selectmen of the Town of Billerica.

Billerica, Nov. 7, 1916.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON,
Constable.

Under the above Warrant the following vote was cast:

Electors of President and Vice-President

	Prec. 1.	Prec. 2.	Total.
Benson and Kirkpatrick (Socialist)....	5	6	11
Hanly and Landrith (Prohibition).....	2	0	2
Hughes and Fairbanks (Republican)...	243	170	413
Reimer and Harrison (Socialist Labor).	0	1	1
Wilson and Marshall (Democratic).....	84	169	253
Blanks	19	20	39

Governor

James Hayes, of Plymouth.....	1	1	2
Chester R. Lawrence, of Boston.....	5	4	9
Samuel W. McCall, of Winchester.....	250	169	419
Frederick W. Mansfield, of Boston.....	63	165	228
Dan. A. White, of Brockton.....	7	7	14
Blanks	27	20	47

Lieutenant-Governor

Calvin Coolidge, of Northampton.....	256	169	425
Alfred H. Evans, of Hadley.....	7	3	10
Sylvester J. McBride, of Watertown...	8	11	19
Thomas J. Maher, of Medford.....	0	2	2
Thomas P. Riley, of Malden.....	50	147	197
Blanks	32	34	66

Secretary

Thomas F. Brennan, of Salem.....	2	6	8
Leon R. Eyges, of Brookline.....	44	135	179
Louise Adams Grout, of Boston.....	8	9	17
Albert P. Langtry, of Springfield.....	244	172	416
Blanks	55	44	99

Treasurer

Charles L. Burrill, of Boston.....	254	175	429
Frederick E. Oelcher, of Peabody.....	1	2	3
Elam K. Sheldon, of Greenfield.....	8	8	16
Henry N. Teague, of Williamstown.....	46	144	190
Blanks	44	37	81

Auditor

	Prec. 1.	Prec. 2.	Total.
Joseph Bearak, of Boston.....	12	8	20
Frank Bohmbach, of Boston.....	1	8	9
Alonzo B. Cook, of Boston.....	244	166	410
John B. N. Soulliere, of Worcester.....	41	140	181
Blanks	55	44	99

Attorney-General

Henry C. Attwill, of Lynn.....	247	170	417
Joseph Joyce Donahue, of Medford.....	48	148	196
Joseph Jiskra, of Milford.....	2	2	4
John Weaver Sherman, of Boston.....	8	11	19
Blanks	48	35	83

Senator in Congress

John F. Fitzgerald, of Boston.....	73	174	247
Henry Cabot Lodge, of Nahant.....	237	168	405
William N. McDonald, of Northampton.	9	6	15
Blanks	33	18	51
Alden Richardson	1	0	1

Congressman—Fifth District

Roger Sherman Hoar, of Concord.....	52	143	195
John Jacob Rogers, of Lowell.....	265	206	471
Blanks	36	17	53

Councillor—Sixth District

James G. Harris, of Medford.....	243	193	436
Blanks	110	173	283

Senator—Seventh Middlesex District

Frederic W. Burke, of Lynn.....	46	152	198
Charles A. Kimball, of Littleton.....	251	179	430
Blanks	56	35	91

Representative in General Court—Seventeenth Middlesex District

Jeremiah K. Chandler, of Tewksbury...	266	213	479
Blanks	86	150	236
E. F. Twombly.....	1	2	3
James Barton	0	1	1

County Commissioner—Middlesex District

	Prec. 1.	Prec. 2.	Total.
Erson B. Barlow, of Lowell.....	249	203	452
Blanks	104	162	266
Timothy Mahoney.....	0	1	1

Associate Commissioners—Middlesex County

Frederic P. Barnes, of Newton.....	216	178	394
H. Harding Hale, of Hudson.....	174	136	310
Blanks	316	417	733
Timothy Mahoney	0	1	1

District Attorney—Northern District

William R. Scharton, of Reading.....	60	132	192
Nathan A. Tufts, of Waltham.....	237	187	424
Blanks	56	47	103

Clerk of Courts—Middlesex

William C. Dillingham, of Malden.....	239	191	430
Blanks	114	175	289

Register of Deeds—Middlesex Northern District

William C. Purcell, of Lowell.....	93	187	280
Frank K. Stearns, of Lowell.....	213	154	367
Blanks	47	25	72

**Register of Probate and Insolvency—Middlesex County
(to fill vacancy)**

Frederick M. Esty, of Framingham....	241	169	410
Timothy E. Quinn, of Cambridge.....	41	137	178
Blanks	71	60	131

“Shall there be a convention to revise, alter or amend the Constitution of the Commonwealth?”

Yes	109	135	244
No	97	91	188
Blanks	147	140	287

“Shall an Act passed by the General Court in the year nineteen hundred and sixteen, to make the first day of January, known as New Year’s Day, a legal holiday, be approved and become law?”

Yes	149	177	326
No	107	107	214
Blanks	97	82	179

“Shall an Act passed by the General Court in the year nineteen hundred and sixteen, entitled ‘An Act to prevent the voters of one political party from voting in the primaries of another political party’ be approved and become law?”

	Prec. 1.	Prec. 2.	Total.
Yes	157	145	302
No	66	107	173
Blanks	130	114	244
Ballots cast in Precinct No. 1.....			353
Ballots cast in Precinct No. 2.....			366
Total			719

REPORT OF PRECINCT CLERK.

Billerica, Mass., Nov. 7, 1916.

Annual State Election.

Polls opened at 6 o'clock with six precinct officers present. The remaining two election officers arrived shortly after.

Commenced to count at 9.30 o'clock.

Voted to close the polls at 4.15 p. m.

The polls were closed at 4.15 p. m.

Total vote, 353.

MICHAEL McELIGOTT,

Precinct Clerk.

Precinct officers Precinct No. 1:

Warden, Charles A. Wright.

Deputy Warden, Alden B. Richardson.

Clerk, Michael McElligott.

Deputy Clerk, Philip Dolan.

Inspector, Frank L. Day.

Deputy Inspector, Everett S. Bull.

Inspector, Charles E. Scott.

Deputy Inspector, D. Fred Reardon.

PRECINCT NO. 2.

North Billerica, Mass., Nov. 7, 1916.

State Election.

Polls opened at 6 o'clock a. m.

The following election officers present:

Warden, Dennis J. Mahoney.

Deputy Warden, Timothy J. McCarthy, Jr.

Clerk, Guy M. Richardson.

Deputy Clerk, Frederic G. Brown.

Inspector, Daniel Fitzpatrick.

Deputy Inspector, Edward T. Riley.

Inspector, Charles H. Bailey.

Deputy Inspector, Frank Walker.

Daniel Fitzpatrick was sworn in by Warden Dennis J. Mahoney.

The names of James P. Higgins, Geo. Glogston, Timothy Pasho, James T. White and Frederick Palm were added to the check list, they having been omitted by error. James B. Duffy was not allowed to vote.

Polls closed at 4 o'clock.

Ballots received	500
Ballots used	366
Ballots returned	134

GUY M. RICHARDSON,

Precinct Clerk.

Attest,

HERBERT A. KING,

Town Clerk.

COMMONWEALTH OF MASSACHUSETTS.

County of Middlesex

Town of Tewksbury

Town Clerk's Office,

Nov. 17, 1916, at 12 o'clock M.

We, the undersigned Clerks of the Towns included in the Seventeenth Middlesex Representative District, Certify—That a meeting of said Clerks was holden as directed by Section 322, Chapter 835, Acts of 1913, at the place designated by the County Commissioners, to wit:—at the Town Hall, Tewksbury, on the date and at the time above written, for the purpose of determining who appeared to be elected to the office of Representative in the General Court from said District; and that they did examine and compare the record of votes given in for said office at the election holden on the seventh day of November, A. D. 1916, in the Towns of Tewksbury, Billerica, Burlington, Dracut, North Reading and Wilmington, of which said District is comprised, and we further certify the following to be a true and complete schedule of all the persons voted for for Representative in the said District, and as shown by the said copies of record the number of votes for each person:

Jeremiah K. Chandler, of Tewksbury, had sixteen hundred	
forty-five	1,645
Will Jones, of Tewksbury, had two.....	2
A. C. Blaisdell, of Tewksbury, had one.....	1
J. J. Young, of Tewksbury, had one.....	1
F. Searlett, of Tewksbury, had one.....	1
Edgar F. Twombly, of Billerica, had three.....	3
James Barton, of Billerica, had one.....	1
Blanks, seven hundred seventy-five.....	775
Whole number of ballots, twenty-four hundred twenty-nine..	2,429

PETER W. CAMERON, Town Clerk of Tewksbury.

HERBERT A. KING, Town Clerk of Billerica.

SELWYN H. GRAHAM, Town Clerk of Burlington.

JOHN W. BRENNAN, Town Clerk of Dracut.

ELMER B. ABBOTT, Town Clerk of North Reading.

JAMES E. KELLEY, Town Clerk of Wilmington.

HERBERT A. KING,

Town Clerk.

BIRTHS RECORDED IN BILLERICA DURING 1916

No.	Date	Name of Child	Names of Parents
1	Feb. 6	Eugene Boches Weisburg	Norman and Anna
2	Feb. 6	Aris Johnson	Isador and Hilda
3	Feb. 14	Frederick Barber Oleson	Everett and Hazel
4	Feb. 20	John Daniel Harrington	Frank and Elizabeth
5	Mar. 6	Leola Pearl McCauley	John and Eva
6	Mar. 11	John Patrick Sullivan	Thomas and Alice
7	Mar. 13	Mary Parziewietz	Michael and Julia
8	Mar. 18	Harold W. Estey	Harold and Elsie
9	Mar. 27	Joseph William Martin, Jr.	Joseph W. and Annie
10	Mar. 30	Mary Coolidge Houghton	Robert and Marion
11	Apr. 16	George Michael Harrington	Timothy and Frances
12	Apr. 16	Bernice McGinnis	James B. and Mary
13	Apr. 16	Wesley Andrew Wakrow	John H. and Bessie
14	Apr. 26	Donnellon	Edward and Mary
15	Apr. 28	Valyon	Israel and Lena
16	May 18	Joseph Gerard Campbell	James and Christina
17	May 31	Rose Elizabeth Lutender	Henry and Mary A.
18	June 8	Harry Edward Major	Daniel E. and Charlotte
19	June 8	Albert Hans	Egbert and Alice
20	June 10	Robert Gilson Spaulding	Chester and Elsie
21	June 13	Julia Eleanor Hubbard	Dwight and Florence
22	June 15	Grace Melvin Crosby	Lewis C. and Delia
23	June 18	Newell Baird Ritchie	John J. and Florence
24	June 23	Lorenzo Jeffrey	Euclide and Mary
25	June 24	Allan Richard Kinney	Pearl R. and Lotta L.
26	June 27	Ray Elwood Oakes	Winfield and Bessie
27	July 3	Antonio Cordio	Joseph and Francisco
28	July 8	Marion Turner Pollard	William F. and Myrtle
29	July 10	Archibald George Lloyd	Archibald C. and Matilda
30	July 22	William Welsh	John S. and Alicia
31	July 22	Hilda Margaret Schoppe	Shirley I. and Maud D.
32	July 28	Dorothy Elizabeth Lansdown	Burdette and Ada

No.	Date	Name of Child	Names of Parents
33	Aug. 4	James Kelly	William J. and Mary
34	Aug. 11	Francis Albert Rollins	Hazel
35	Aug. 21	John Henry Wright	Chester A. and Alice
36	Aug. 27	Humphrey Hosmer	Herbert B. and Gladys E.
37	Sept. 9	Rita Claise Dolan	Francis J. and Alice
38	Sept. 9	Madeline Virginia Spencer Leslie	Charles P. and Louisa A.
39	Sept. 16	Dorothy Zoe Wadley	H. E. and Dorothy
40	Sept. 17	Phillis Agnes Lyons	Phillip and Ambrosine
41	Sept. 21	Gio Seffino Adomino	Indille and Malandrina
42	Sept. 23	Lillian Genevieve Saunders	John W. and Lillian
43	Oct. 5	Germain Hamelin	Joseph O. and Marie
44	Oct. 23	John Abel Stearns	Frederick H. and Edith E.
45	Oct. 27	Eleanor O'Hara	Frederick and Lena
46	Nov. 4	Leo John Laurence	John and Mary
47	Nov. 7	Helen Ennion	George J. and Mary
48	Nov. 13	Ida Friza Di Gregorio	Egidio and Theresa
49	Nov. 15	Thomas King McGuire	Owen K. and Isabel
50	Nov. 16	Mary Elizabeth Dale	John and Elizabeth
51	Dec. 2	Alden Milton Rollins	Voluntine and Ada
52	Dec. 8	Mildred Adelaide Jones	Edward R. and Mildred
53	Dec. 9	Geraldine Forhan	Neil K. and Clara
54	Dec. 11	Patricia Annie Delanis	Joseph A. and Annie
55	Dec. 20	Donald Hopps Wallace	H. C. T. and Rachel
56	Dec. 25	Greenwood	Oliver and Ida
57	Dec. 29	Genevieve Mary Marston	Abbie May
58	July 2	Albert Edward Allen	Mark E. and Ella L.

Births Not Reported Until 1916

1914

1	Jan. 28	Thomas Sunderland Taylor	Seth and Mary
2	Nov. 16	Dorothy Noonan	Patrick and Mary

1915

1	May 24	Winona Pearl Kittredge	Guy L. and Alta M.
2	Dec. 17	Hyman Fienstein	Israel and Bessie

HERBERT A. KING,
Town Clerk.

MARRIAGES RECORDED IN BILLERICA DURING 1916

No.	Date	Name	Residence
1	Jan. 2	Martin A. Lydon	Dorchester
		Frances T. Gannon	North Billerica
2	Jan. 29	John Breed	North Billerica
		Emelw Davis	North Billerica
3	Mar. 7	John L. Jones	Lowell
		Mary A. Callahan	Billerica
4	Mar. 22	Amedee L. Cloutier	North Billerica
		Mary C. Nadeau	North Billerica
5	Apr. 11	Claude B. Bartlett	Billerica
		Blanche Florence Dale	Dorchester
6	Apr. 13	Ralph E. Corson	North Billerica
		Catherine Leonard	Lowell
7	May 1	John Victor Pvikonsen	North Billerica
		Jennie Maria Laitala	North Billerica
8	May 20	Ainslee Walker	North Billerica
		Annie Schofield	North Billerica
9	June 17	Herbert Dexter Graham	North Billerica
		Anna Geary	Cambridge
10	June 21	James H. Gannon	North Billerica
		Maud A. Evans	North Billerica
11	June 23	David A. Peez	Billerica
		Anna Wilson	Roxbury
12	June 28	Chester A. Pasho	Billerica
		Frances J. McDermott	Billerica
13	July 22	Clifford Watson	Madison, Me.
		Mabel McAllister	North Billerica
14	Aug. 20	Mike Molton	North Billerica
		Mary Sokel	North Billerica
15	Aug. 12	George A. Williams	Boston
		Elizabeth B. Taylor	Billerica
16	Aug. 29	Leon E. Gay	Billerica
		S. Madeline Earle	Billerica

No.	Date	Name	Residence
17	Sept. 16	Frederick Lester Roper	Revere, Mass.
		Amelia Fredarica Thommen	Billerica
18	Sept. 27	Philip W. Allard	
		Catherine V. White	
19	Oct. 4	Joseph Brunelle	Lowell
		Margaret Annie Lutender	North Billerica
20	Oct. 14	Thomas T. Clark	North Billerica
		Eugenia Meigs	Lowell
21	Oct. 24	Elmer H. Stevenson	North Billerica
		Eva Crumby	Lowell
22	Oct. 30	Charles H. Tryder, Jr.	Billerica
		Anna Ferguson	Newark, N. J.
23	Nov. 12	Jeremiah Linehan	North Billerica
		Sarah A. Summer	Lynn, Mass.
24	Nov. 19	John O'Neil	Billerica
		Mary J. Toohy	Billerica
25	Nov. 29	Martin Lane Kennelly	Billerica
		Mary Etta Nuttall	Billerica
26	Dec. 2	Walter Hugh Cowdrey	Billerica
		Anna Teresa Warburton	Billerica
27	Dec. 4	Stephen Joseph Boyle	Winchester
		Mildred Atwood Scott	Billerica
28	Dec. 13	Maurice Schwartz	Billerica
		Dora Glassman	Billerica
29	Dec. 30	William E. Livingston	Billerica
		Florence Marion Bailey	Billerica

HERBERT A. KING,

Town Clerk.

DEATHS RECORDED IN 1916

No.	Date	Name	Yrs.	Mths.	Dys.
1	Jan. 2	Amos W. Proctor	83	6	—
2	Jan. 7	Alexander McIntyre	47	—	—
3	Jan. 12	Elizabeth M. Lougee	70	—	18
4	Jan. 13	Lucy S. Mitchell	57	11	—
5	Jan. 14	William John Biggerstaff	67	—	—
6	Jan. 17	Seth Taylor	35	8	—
7	Jan. 21	Forhan	—	—	—
8	Jan. 24	Johannah Harrington	80	—	—
9	Jan. 27	Margaret F. Brown	63	—	—
10	Jan. 29	Daniel Holt	62	6	4
11	Feb. 4	Thelma G. Smith	—	2	7
12	Feb. 10	Ella Fauleon	39	—	—
13	Feb. 17	Rollie A. Newell	23	1	—
14	Feb. 22	William Arthur Sexton	29	—	—
15	Mar. 8	Elmer J. Wheeler	46	—	—
16	Mar. 27	David J. White	61	1	12
17	Mar. 28	Frank E. Stedman	—	—	—
18	Apr. 14	Hannah Stott	96	3	10
19	Apr. 23	Carl J. Fred	—	4	12
20	Apr. 28	Valyon	—	—	—
21	May 5	Patrick O'Neil	77	—	—
22	May 6	Sarah J. Sheny	57	—	—
23	May 13	Michael O'Connell	59	—	—
24	May 21	Margaret V. Twomey	27	—	—
25	June 4	H. Harvey Hazard	70	9	28
26	June 18	Joseph F. Smith	26	—	—
27	June 20	Mary Eastman Brown	92	2	15
28	June 20	Daisy E. Higson	6	7	25
29	June 20	John O'Connor	27	—	—
30	June 23	Josiah Wright	73	—	—
31	June 29	Edgar McChesney	—	1	24
32	July 20	Thomas C. Bond	34	—	9
33	July 24	Judith Handley	79	8	19

No.	Date	Name	Yrs.	Mths.	Dys.
34	Aug. 12	Augusta M. Spaulding	77	4	1
35	Aug. 12	Nora A. Mahoney	26	6	—
36	Aug. 13	Alice T. Shaw	57	—	—
37	Aug. 17	Belknap	—	—	—
38	Sept. 11	James Hart	27	—	—
39	Sept. 14	Olive Croft	12	8	—
40	Sept. 17	Bessie O. Stowers	32	2	25
41	Sept. 22	Laranzo Geoffroy	—	2	29
42	Sept. 26	William Higgins	50	—	—
43	Sept. 29	Sophia Witzbae	1	—	14
44	Oct. 20	Wallace M. Lindohl	2	—	—
45	Oct. 23	Anna Brabent	61	8	14
46	Nov. 10	William A. Eastman	66	10	2
47	Nov. 28	Ruth Agnes Nugent	1	6	—
48	Dec. 5	Elmer Ellsworth Bailey	51	11	20
49	Dec. 11	Granville Cowdrey	66	—	—
50	Dec. 26	Greenwood	—	—	—
51	Dec. 26	John Wain	66	8	3
52	Dec. 28	Olin Fuller	65	3	18
	1915				
53	Oct. 26	John W. Crocker	76	—	—

HERBERT A. KING,

Town Clerk.

BURIALS IN BILLERICA, NON-RESIDENTS, DURING 1916

No.	Date	Name	Yrs.	Mths.	Dys.
1	Jan. 3	Charles H. Crowell	66	3	—
2	Jan. 22	Frank L. Crosby	73	—	—
3	Jan. 22	Herbert W. Sheldon	64	4	4
4	Apr. 11	Lucy A. Crowell	64	6	—
5	Apr. 30	James B. Hoare	81	11	29
6	May 25	Ella M. Wild	59	4	14
7	June 16	James Sallaway	88	—	26
8	Aug. 5	Lizzie B. Spaulding	64	3	—
9	Aug. 14	Bertha A. Janelle	37	4	28
10	Aug. 24	Nellie J. Peabody	62	10	6
11	Dec. 29	Mary F. Brown	65	8	1

HERBERT A. KING,

Town Clerk.

LIST OF DOGS LICENSED DURING YEAR 1916

No.	Name	No.	Name
1	P. B. Kirschner	29	Albert Richardson
2	W. A. Savage	30	C. W. Moulton
3	Mrs. M. F. O'Keefe	31	F. L. Day
4	Thomas T. Clark	32	M. H. Kohlrausch
5	Albert Berger	33	Charles N. Taylor
6	Mary R. Eames	34	Mrs. Julian
7	John A. Richardson	35	Herbert B. Richardson
8	N. A. McMillen	36	M. L. Watts
9	W. M. Dugan	37	V. H. J. Belle-Isle
10	Gertrude Ingram	38	George E. Moore
11	Fred R. Gray	39	Hjalman Weekstrom
12	P. H. Brewster	40	L. S. Peavey
13	Luey Kay	41	Frank Alexander
14	George W. Hoyle	42	James Collinge
15	S. P. Beard	43	Mrs. I. J. Beson
16	Mrs. Nason	44	Geo. A. Rogers
17	F. W. Flitner	45	Hector Patnaude
18	Richard Faulkner	46	Thomas F. Sullivan
19	Fuller Bros.	47	Wm. Merryweather
20	Mrs. Emerson	48	C. H. Martindale
21	Mrs. Emerson	49	Wm. McBride
22	Mrs. Emerson	50	Alexander M. Blakely
23	Mrs. Emerson	51	Mrs. Warren Manning
24	Mrs. Emerson	52	N. R. Jones
25	Mrs. Emerson	53	John Quinn
26	Mrs. Emerson	54	James Barton
27	Mrs. Emerson	55	Ralph Dodge
28	John Elwood	56	Lillie Bottomley

No.	Name	No.	Name
57	Edwin P. Simpson	97	George P. Greenwood
58	Carl Erickson	98	George P. Greenwood
59	Elizabeth Gannon	99	H. W. Essex
60	Frank Lundgren	100	Grace Biggerstaff
61	S. A. McQuaid	101	Marie O'Brien
62	Ora Bohannon	102	Mrs. A. C. Barker
63	Leslie Fralick	103	Michael J. McElligott
64	Mrs. George Loucraft	104	George E. Simonds
65	C. A. Foster	105	George H. Moy
66	P. Davison	106	George H. Moy
67	P. Davison	107	Willis W. Esty
68	Edward R. Jones	108	Clarence Bowman
69	Eugene Maybury	109	Edwin S. Stevens
70	Miss Blanchard	110	E. L. Hawes
71	H. H. Bowman	111	Victor Natelin
72	Margaret Rand	112	Arthur O'Toole
73	John W. Stott	113	Herbert B. Hosmer
74	Percy Horn	114	Herbert B. Hosmer
75	J. Donovan	115	A. L. Mason
76	Joseph B. Nicholson	116	A. L. Mason
77	Arthur S. Cook	117	P. G. Dockham
78	Joseph B. Nicholson	118	Henry Hutchins
79	C. H. Morley	119	V. O. Martin
80	C. H. Morley	120	A. E. Wheeler
81	James Souther	121	Mrs. Maguire
82	Alex. P. Hollenborg	122	William Brodeau
83	Alex. P. Hollenborg	123	C. A. Backer
84	Ralph E. Manning	124	B. O. Sanford
85	Mrs. Harry Renshaw	125	B. O. Sanford
86	R. L. Nutter	126	B. O. Sanford
87	Isaac Hopkinson	127	James A. Campbell
88	Ruth Schult	128	Thomas Layton
89	E. Elizabeth Schult	129	Abram Flint
90	A. V. Lloyd	130	F. H. Stearns
91	F. L. Gleason	131	Wm. H. Marston
92	F. L. Gleason	132	J. H. Labonte
93	John Foster	133	Clayton A. Hamm
94	E. P. Sellew	134	John J. Ritchie
95	Thomas Bateson	135	J. Minnihine
96	Eddie O'Connor	136	George Dimock

No.	Name	No.	Name
137	C. W. Flanders, Jr.	172	George F. Dickie
138	Chester Page	173	C. A. Fordham
139	Warren Holden	174	Merton Fisk
140	R. T. Baisley	175	Albert J. Leavitt
141	John Downing	176	W. E. Miller
142	Chas. E. Scott	177	Mrs. Margaret Lewis
143	Oscar Bicknell	178	M. Esther Fisk
144	A. Elfstrom	179	M. Esther Fisk
145	Joseph Boucher	180	M. Esther Fisk
146	R. S. Harrison	181	Wm. D. Kelley
147	Alphonse Mercier	182	Malcolm Dutton
148	Geo. Gadbois	183	Michael J. Gill
149	John O'Hare	184	A. H. Mitchell
150	E. H. Gay	185	C. H. Kemp
151	F. A. Barton	186	G. Spaulding
152	John Dewhurst	187	Melvin Morris
153	Thos. Callahan	188	Florence Belknap
154	Pitt. F. Holden	189	John McDermott
155	Pitt. F. Holden	190	Joseph Osmond
156	T. A. Crosby	191	Thos. Sullivan
157	Arthur Burgess	192	Thos. Sullivan
158	Rev. John A. Crove	193	Ulysses Maerelle
159	Philip Scott	194	E. A. King
160	Philip Scott	195	F. E. Pasho
161	R. Harmston	196	Mary E. Farmer
162	K. Mickael	197	Robert B. Houghton
163	E. M. Whitney	198	Harvey Brown
164	Michael B. Hayes	199	Thomas T. Clark
165	Oscar Spencer	200	P. M. Wheately
166	Joseph D. Hamelin	201	Henry Schmelzer
167	C. D. Tutein	202	James W. Ritchie
168	C. Burris	203	Saville Metcalf
169	Alexander Allen	204	Charles O'Brien
170	Theodore Fauleon	205	Henry D. Livingston
171	George F. Hurst		

HERBERT A. KING,

Town Clerk.

COMMON AND TOWN PUMP

Appropriation	\$125.00	
Balance, December 31, 1915.....	34.18	
	<hr/>	\$159.18
Expended		124.75
		<hr/>
Balance December 31, 1916.....		\$ 34.43

Expenditures

C. L. Burton	\$ 4.00	
T. G. Messer.....	10.75	
A. O. Dane.....	10.00	
J. F. Bruce.....	100.00	
	<hr/>	\$124.75

PRINTING

Appropriation	\$500.00	
Balance December 31, 1915.....	156.68	
	<hr/>	\$656.68
Expended		504.72
		<hr/>
Balance December 31, 1916.....		\$151.96

Expenditures

C. I. Hood Co.....	\$504.72
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CEMETERIES .

Appropriation	\$ 900.00	
Receipts	1,184.45	
Balance December 31, 1915.....	66.77	
	<hr/>	\$2,145.22
Expended		2,346.90
		<hr/>
Overdraft December 31, 1916.....		\$ 198.68

Expenditures

Pay Roll	\$2,008.00
New England Tel. & Tel. Co.....	16.41
E. A. King.....	21.41
Bartlett & Daw.....	.42
Beach Soap Co.....	51.90
Badger Fire Extinguisher Co.....	2.29
Yawman & Erbe Mfg. Co.....	9.42
John A. Richardson.....	9.85
G. E. Spaulding.....	6.93
B. & M. R. R.....	2.00
F. G. Morey & Co.....	9.98
E. E. Smith & Co.....	16.14
B. W. Kearney.....	12.00
Lull & Hartford.....	3.10
Thompson Hardware Co.....	1.50
J. C. Bennett.....	10.40
L. A. Adlington.....	33.00
E. E. Cole Co.....	6.40
Robin Hill Nursery.....	13.00
Lowell Fertilizer Co.....	21.60
Fotler, Fisk & Rawson.....	6.00
E. N. Bartlett.....	10.00
Mrs. E. Baker.....	2.32
Arthur Cook	6.00
J. E. Bull.....	9.41
	<hr/>
	\$2,346.90

INCIDENTALS

Appropriation	\$1,000.00	
Receipts	94.24	
Balance December 31, 1915.....	427.45	
	<hr/>	\$1,521.69
Expended		1,219.87
		<hr/>
Balance December 31, 1916.....		\$ 301.82

Expenditures

Courier-Citizen	\$209.86
Qua, Howard & Rogers.....	326.46
G. C. Prince & Son.....	11.80
A. E. Wheeler.....	4.00
Middlesex Registry of Deeds.....	15.30
H. A. King.....	45.09
M. L. Alling, M. D.....	.75
Billerica Republican Club.....	10.00
Burroughs Adding Machine Co.....	.93
Asa John Pattern Circle.....	5.25
T. Frank Lyons.....	191.81
Billerica Printing Co.....	37.33
Carter's Ink Co.....	.75
A. C. Flint.....	1.70
Butterfield Printing Co.....	9.75
Allen Auto Co.....	3.50
Rice & Co.....	5.40
John Paduek .....	.25
P. B. Murphy.....	3.55
McSweeney's Express .....	.95
Dr. H. M. Larrabee.....	.50
B. H. Thayer.....	25.00
Dr. N. K. Forhan.....	4.75
	<hr/>
Amount carried forward.....	\$914.68

Amount brought forward.....	\$914.68
Yawman & Erbe Mfg. Co.....	5.40
American Express Co.....	.58
Dr. D. T. Buzzell.....	.25
Thos. Groom & Co.....	15.00
Thompson Hardware Co.....	1.30
Hobbs & Warren.....	5.65
McIntosh Meh. & Welding Co.....	.50
Harry C. Kittredge.....	1.00
John McDermott	1.50
E. A. King.....	14.25
W. H. O'Brien.....	4.00
American Writing Machine Co.....	42.00
Elbe Filex Binder Co.....	8.32
Commonwealth of Mass.....	1.50
A. G. Pollard Co.....	5.98
H. M. Meek Pub. Co.....	2.36
Town of Tewksbury.....	5.25
Smith & Brooks.....	8.50
Oscar Fellows	55.00
G. O. Lavalee.....	.25
E. S. Bull.....	85.51
J. E. Bull.....	7.54
J. J. Ritchie.....	28.00
C. L. Burton.....	5.25
W. H. Sexton.....	.30
	<hr/>
	\$1,219.87

MAINTENANCE OF HALLS

Appropriation	\$ 400.00	
Receipts	99.00	
Balance December 31, 1915.....	1,112.92	
	<hr/>	\$1,611.92
Expended		1,588.04
		<hr/>
Balance December 31, 1916.....	\$	23.88

Expenditures

Ring Piano Co.....	\$ 4.20	
New Eng. Tel. & Tel. Co.....	34.20	
Water Dept.	6.00	
Herring-Hall-Marvin Safe Co.....	28.00	
Lowell Electric Light Corp.....	92.91	
L. A. Derby & Co.....	5.05	
Fred R. Winship.....	6.00	
E. A. King.....	149.94	
Thomas Lydon	77.38	
Isaac Newell	11.00	
Chas. Harmon	6.13	
Wm. Miller	3.50	
F. G. Morey & Co.....	1.85	
John McDermott	10.63	
L. Wing	5.00	
H. D. Livingston.....	10.93	
Ervin E. Smith Co.....	1.15	
H. C. Kittredge.....	4.40	
Arthur Fellows	31.00	
Oscar Fellows	1,025.00	
West Disinfecting Co.....	8.75	
T. J. Barker.....	1.00	
Conant & May Co.....	3.00	
Bartlett & Dow.....	2.25	
The Robertson Co.....	4.50	
J. E. Bull.....	36.71	
R. T. Perry.....	1.00	
Orient Spray Co.....	11.33	
T. A. Ellis.....	3.73	
Squire Hall	1.50	
	<hr/>	\$1,588.04

REPORT OF TREE WARDEN

To the Honorable Board of Selectmen:

Gentlemen:—I herewith submit the following report for the year ending December 31, 1916:

Appropriation	\$200.00	
Balance December 31, 1915.....	127.90	
Receipts from private work for 1916.....	15.12	
		\$343.02
Expended		365.58
Overdraft December 31, 1916.....		\$ 22.56
Amount due from Mass. Highway Commission, work done on Boston Road.....		45.00

Expenditures

J. W. Bostwick, Warden.....	\$135.00	
F. L. Winship, labor.....	22.50	
F. Mahoney, labor.....	13.50	
W. D. Doyle, labor.....	84.38	
J. Hayes, labor.....	22.50	
F. Spaulding, labor.....	9.00	
		\$286.88
E. A. King, supplies.....	\$ 4.50	
H. Surrette, filing saws.....	1.20	
Courier-Citizen Co., adv.....	2.00	
Dr. N. K. Forhan, services.....	5.00	
J. W. Bostwick, horse hire.....	66.00	
		\$ 78.70
		\$365.58

Respectfully submitted,

JOHN W. BOSTWICK,

Tree Warden.

REPORT OF MOTH SUPERINTENDENT

To the Honorable Board of Selectmen:

Gentlemen:—I herewith submit the following report for the year ending December 31, 1916:

Elm Leaf Beetle Work

Appropriation	\$400.00	
Balance December 31, 1915.....	14.92	
	<hr/>	\$414.92
Expended		362.52
		<hr/>
Balance December 31, 1916.....		\$ 52.40

Expenditures

J. W. Bostwick, labor.....	\$30.00	
F. L. Winship, labor.....	27.00	
W. Doyle, labor.....	20.26	
F. Spaulding, labor.....	18.01	
P. Condon, labor.....	6.75	
J. Condon, labor.....	13.00	
F. Harrington, labor.....	13.00	
	<hr/>	\$128.02
F. Harrington, horse hire.....	\$ 32.00	
J. W. Bostwick, horse hire.....	18.00	
Moth Dept., arsenate of lead.....	184.50	
	<hr/>	\$234.50
		<hr/>
Total		\$362.52

Moth Work

Expenditures

J. W. Bostwick, Supt.....	\$640.50
F. L. Winship, labor.....	569.17
W. D. Doyle, labor.....	489.31
	<hr/>
Amount carried forward.....	\$1,698.98

Amount brought forward.....	\$1,698.98	
F. J. Dolan, labor.....	147.78	
J. Higgins, labor.....	256.20	
F. Spaulding, labor.....	238.73	
F. Mahoney, labor.....	212.66	
J. Hayes, labor.....	237.42	
F. Reardon, labor.....	104.65	
J. Condon, labor.....	34.00	
F. Harrington, labor.....	28.00	
L. Mahoney, labor.....	34.00	
	<hr/>	\$2,992.42
J. W. Bostwick, horse hire.....	\$237.00	
F. Harrington, horse hire.....	60.00	
American Express Co.....	6.63	
Boston & Maine Railroad, freight.....	8.56	
N. R. Mahoney, stationery.....	3.20	
N. F. Smith, gasoline.....	23.80	
Courier-Citizen Co., advertising.....	9.98	
Edward McDermott, use of team.....	5.00	
J. W. Bostwick, expenses to conference.....	4.50	
E. Allen, oil.....	1.20	
C. Martindale, repairs.....	1.75	
C. T. Vocell, gasoline.....	1.30	
J. E. Bull, supplies.....	.46	
State Forester Dept., supplies.....	81.59	
	<hr/>	\$ 444.97
Total		<hr/> \$3,437.39
Private work, \$803.91.		

Respectfully submitted,

JOHN W. BOSTWICK,

Moth Supt.

ELECTION OFFICERS

John J. O'Connor.....	\$ 2.00
Chas. E. Scott.....	25.00
T. J. McCarthy.....	25.00
Chas. A. Wright.....	40.00
A. H. Richardson.....	15.00
D. J. Mahoney.....	25.00
G. M. Richardson.....	35.00
G. C. Chambers.....	10.00
D. F. Reardon.....	15.00
F. E. Walker.....	15.00
Charles H. Bailey.....	15.00
P. B. Dolan.....	5.00
E. T. Riley.....	15.00
M. H. McElligott.....	35.00
F. L. Day.....	15.00
Thomas Riley	5.00
Alden B. Richardson.....	10.00
F. G. Brown.....	10.00
F. J. Dolan.....	10.00
Fred Mears	2.00
D. J. Fitzpatrick.....	5.00
E. S. Bull.....	20.00
	<hr/>
	\$354.00

FIRE DEPARTMENT REPORT

To the Honorable Board of Selectmen:

Gentlemen:—We herewith submit our annual report for year 1916:

Total number of alarms for the year.....	44
Regular alarms	34
Still alarms	6
False alarms	4
Twenty-eight of these alarms were for buildings, etc.	
Fifteen were for brush or grass fires.	
One was for rescue.	

Total value of property at risk, and upon which there was a loss (excluding brush or grass fires).....	\$48,500.00
Total damage to same.....	24,067.00
Appropriation	\$6,000.00
Unexpended balance 1915.....	1.70
Credit telephone tolls.....	11.26
<hr/>	
Total funds available.....	\$6,012.96
Total amount of bills paid.....	5,345.65
<hr/>	
Balance on hand.....	\$ 667.31
Bills due and unpaid.....	\$ 559.00

Expenditures

Pay Roll Engine Co. 1, salaries.....	\$1,578.33
Pay Roll Hose 2, salaries.....	1,599.16
E. N. Bartlett, salary.....	100.00
W. B. Chambers, salary.....	100.00
C. A. Wright, salary.....	100.00
<hr/>	
Amount carried forward.....	\$3,477.49

Amount brought forward.....	\$3,477.49
N. E. Tel. & Tel. Co., Fire Dept. 'phones.....	64.40
Lowell Elec. Light Corp., lights in fire stations.....	36.86
D. J. Dewire, use of horses.....	116.00
Charles A. Wright, use of horses.....	79.50
E. N. Bartlett, use of horses.....	153.99
Talbot Dyewood & Chemical Co., supplies.....	1.90
J. E. Bull, supplies.....	1.55
L. A. Derby & Co., supplies.....	3.60
F. A. Casey Co., repairs.....	15.38
C. L. Burton, repairs.....	37.50
Gamewell Fire Alarm Co., supplies.....	17.86
American Express Co., express.....	.40
Wheeler's Express	2.00
H. G. Bohonan, repairs.....	1.25
J. A. Sanson, repairs.....	1.62
J. A. Richardson, lumber.....	2.65
L. W. Bills, removing batteries to fire station...	51.75
F. G. Morey & Co., coal.....	82.83
Talbot Chemical Co., supplies.....	2.80
Geo. Ennion, cleaning hydrants.....	2.00
E. A. Barker, care of fire in fire station.....	28.00
E. A. King, supplies.....	.88
Gamewell Fire Alarm Co., test key.....	3.59
F. G. Morey & Co., coal.....	10.10
Geo. Ennion, cleaning hydrants.....	4.00
Chas. A. Wright, cleaning hydrants.....	12.25
Fred Reardon, extra duty.....	2.50
Guy Kittredge, extra duty.....	2.50
G. Shults, extra duty.....	2.50
E. A. Barker, care of fires, Hose 2.....	8.00
C. L. Burton, repairs.....	10.00
Talbot Chemical Co., supplies.....	9.10
Talbot Chemical Co., supplies.....	3.08
Chas. E. Fairbrother, care of fires, Engine 1...	32.75
Talbot Chemical Co., supplies.....	10.50
E. A. King, supplies.....	.10
Fireman's Herald, fire record.....	6.00
W. E. Turner, use of auto.....	17.00
Amount carried forward.....	\$4,316.18

Amount brought forward.....	\$4,316.18
Talbot Chemical Co., supplies.....	14.00
Gamewell Fire Alarm Co., supplies.....	52.00
C. B. Coburn, supplies.....	.85
Pay Roll, H. Mahoney, salary.....	25.00
E. E. Cole Co., coal.....	48.00
Americal Express Co.....	.63
American Express Co.....	.27
T. F. Lyons, supplies.....	1.20
E. A. Mores, inspecting steamer.....	5.00
E. A. King, supplies.....	1.27
W. A. Mack, supplies.....	1.23
E. E. Cole Co., coal.....	8.00
Talbot Chemical Co., supplies.....	3.50
Talbot Chemical Co., supplies.....	10.00
J. B. Filluel & Son, repairs to steamer.....	379.85
E. A. Barker, repairs.....	1.00
T. F. Lyons, supplies.....	1.40
Donovan Harness Co., repairs.....	2.20
Geo. A. Dole, repairs.....	1.00
J. E. Bull, supplies.....	1.20
E. A. Barker, care of fires, Hose 2.....	8.00
Boston & Maine R. R., fire alarm box.....	75.47
E. A. King, supplies.....	3.00
A. E. Wheeler, express.....	.50
Chas. A. Wright, cleaning hydrants.....	3.00
Thos. Ellis, repairs.....	6.90
Boston Coupling Co., 500 ft. hose.....	325.00
Pay Roll, Guy Kittredge, salary.....	50.00
	<hr/>
	\$5,345.65

LIST OF FIRES

- Jan. 16. Still alarm 11.5 a. m. House owned by Dr. Flanders.
Cause, thawing water pipes, no damage. Chief responded.
- Jan. 16. Alarm 5.15 p. m., Box 32. Store owned by M. A. Newman
(Pinehurst District). Cause, fumigating, no damage. Hose Co.
No. 2 responded.
- Jan. 28. Still alarm 11.50 a. m. Chimney fire, house owned by Mrs.
P. J. Bailey, no damage. Chief responded.

- Jan. 29. Still alarm 11.15 p. m. Chimney fire, house owned by E. F. Dickenson, no damage. Chief responded.
- Feb. 8. Alarm 12.20 a. m., Box 13. House owned by A. Booska, on Chadwick street. Cause, overheated stove, damage \$935. Hose No. 2 responded.
- Feb. 8. Alarm 6.10 p. m., Box 21. Factory, Lowell Fertilizer Co. Cause unknown, damage \$10,000.00. Engine No. 1 responded, Lowell Fire Department responded.
- Feb. 10. Alarm 11.45 a. m. House owned by Faulcon heirs. Cause unknown, damage \$1,450.00. Miss Ella Fauleon lost her life in this fire. Engine No. 1 responded.
- Feb. 16. Alarm 12 m., Box 16. House owned by Marshal B. Smith. Cause, overheated flue, damage \$5,000.00. Hose No. 2 responded.
- Feb. 20. Alarm 8.10 a. m., Box 61. Chimney fire, house occupied by Edward Porter, no damage. Hose No. 2 responded.
- March 19. Alarm 9 a. m., Box 12. Chimney fire, house owned by George Greenwood, no damage. Hose No. 2 responded.
- April 3. Alarm 4.30 p. m., Box 12. Grass fire, M. Lane estate, no damage. Hose No. 2 responded.
- April 7. Alarm 12.15 p. m., Box 51. Chimney fire, house owned by Mrs. P. J. Bailey estate, no damage. Hose No. 2 responded.
- April 19. Alarm 2.30 a. m., Box 31. Cottage owned by Ralph E. Kennison (Riverdale). Cause unknown. Total loss. Hose No. 2 responded.
- April 20. Still alarm 2 p. m. Brush fire, land owned by Mrs. P. J. Bailey estate, damage slight. Chief and two men responded.
- May 2. Alarm 1.30 p. m., Box 12. Brush fire, land owned by C. A. Backer. Cause, burning brush (under permit). Hose No. 2 responded.
- May 6. Still alarm 6 a. m. Chimney fire, house owned by Mary Farmer. No damage. Chief responded.
- May 11. Alarm 4.10 p. m., Box 13. Grass fire off Pollard street. No damage. Engine 1 and Hose 2 responded.
- May 25. Alarm 3 p. m., Box 41. Brush fire, near Belknap Farm. Cause unknown. Hose No. 2 responded.

- June 10. Alarm 10.03 a. m., Box 32. Camp owned by W. H. Broadhead (Pinedale). Cause unknown, loss total. Hose No. 2 responded.
- June 23. Alarm 1.30 p. m., Box 61. Automobile owned by Mr. Crozman. Cause, backfiring, damage slight. Hose 2 responded.
- July 2. Alarm 9.04 a. m., Box 21. House owned by Talbot Mills. Cause, spark from chimney, damage \$100.00. Engine 1 responded.
- July 22. Alarm 12.15 a. m., Box 32. House owned by Charles Malaguti (Pinehurst Manor). Cause unknown, damage \$402.00. Hose 2 responded.
- Aug. 17. Alarm 5.50 p. m., Box 15. Camp owned by J. E. Barney (Nutting's Lake). Cause, explosion oil stove, total loss. Hose 2 responded.
- Aug. 21. Alarm 11.10 a. m., Box 15. False alarm. Hose 2 responded.
- Aug. 21. Alarm 2.35 p. m., Box 21. Brush fire, land owned by Colson heirs, no damage. Engine 1 responded.
- Sept. 1. Alarm 2.15 p. m., Box 12. Blacksmith shop owned by C. L. Burton. Cause, spark from chimney, damage \$10.00. Hose 2 responded.
- Sept. 15. Still alarm 7 a. m. Town dump. Hose 2 responded.
- Sept. 15. Alarm 8 a. m., Box 5 (special). Hose Co. 2 called out to assist in locating the body of Olive G. Croft from the Concord river.
- Sept. 25. Alarm 7.10 p. m., Box 23. Brush fire, Shey place, no damage. Engine 1 responded.
- Oct. 17. Alarm 7.10 p. m., Box 21. Grass fire, Shey place, no damage. Engine 1 responded.
- Oct. 18. Alarm 2.12 p. m., Box 12. B. & M. R. R. Station, River street. Cause, spark from locomotive, damage \$10.00. Hose 2 responded.
- Oct. 25. Alarm 4.45 a. m., Box 321. B. & M. Car Shops. No Fire. Engine 1 and Hose 2 responded.
- Oct. 28. Alarm 2.05 p. m., Box 13. Brush fire, land of C. S. Smith. No damage. Engine 1 and Hose 2 responded.

- Nov. 9. Alarm 6.55 p. m., Box 32. Brush fire (Pinedale). False alarm. Hose 2 responded.
- Nov. 9. Alarm, Box 21. Chimney fire, house owned by Talbot Mills. No damage. Engine 1 responded.
- Nov. 12. Alarm 9.30 a. m., Box 5. Town dump. Hose 2 responded.
- Nov. 25. Alarm 2.50 a. m., Box 23. Grass fire near Town Farm. No damage. Engine 1 responded.
- Nov. 27. Alarm 1.45 a. m., Box 32. Cottage owned by Joseph Atwood (Pinedale). Cause unknown, loss total. Hose 2 responded.
- Nov. 27. Alarm 11.20 a. m., Box 21. Grass fire, Shey estate. No damage. Engine 1 responded.
- Dec. 1. Alarm 4.35 p. m., Box 26. Brush fire, Colson estate. No damage. Engine 1 responded.
- Dec. 9. Alarm 7.55 a. m., Box 24. House owned by the Consolidated Rendering Co. Cause unknown, damage \$800.00. Engine 1 responded.
- Dec. 15. Alarm 9.04 p. m., Box 24. Chimney fire, house owned by Roger Barrington. No damage. Engine 1 responded.
- Dec. 22. Alarm 7.40 p. m., Box 321. B. & M. Car Shops. False alarm. Engine 1 and Hose 2 responded.
- Dec. 25. Alarm 6.40 a. m., Box 31. House owned by George E. Webber (Riverdale). Cause, defective fireplace, damage estimated \$35.00. Hose 2 responded.

E. N. BARTLETT,

W. B. CHAMBERS,

CHARLES A. WRIGHT,

Board of Engineers.

POLICE REPORT

To the Honorable Board of Selectmen,
Billerica, Mass.

Gentlemen:—We herewith submit our annual report for the year ending December 31, 1916:

There have been 81 arrests for the following causes:

Manslaughter	2
Assault and battery.....	9
Bastardy	2
Drunkenness	26
Insane.....	4
Larceny	8
For out-of-town officers.....	3
Neglected children	5
Threatening	2
Disturbing the peace.....	9
Neglect of parent.....	2
Stubborn children	1
Damaging property	3
Breaking and entering and larceny.....	3
Common drunkard	2

Disposal of Cases

Committed to Lowell Jail.....	5
Committed to Worcester Hospital.....	1
Committed to Waverley.....	1
Committed to State Hospital.....	2
Committed to Concord Reform School.....	1
Fined	20
Found not guilty.....	6
Delivered to out-of-town officers.....	3

Held for Grand Jury.....	1
Probation on payment of costs.....	10
State Board of Charities.....	2
Suspended sentence	2
Filed, released, probation.....	27

Miscellaneous

Cases investigated without arrest.....	516
Persons cared for.....	2
Inquests	4
Dogs killed	11
Value of property stolen.....	\$435.00
Property recovered	\$285.00

Respectfully submitted,

HENRY D. LIVINGSTON,
WILLIAM H. O'BRIEN,

Police Officers.

POLICE

Appropriation	\$2,100.00	
Receipts	57.75	
Balance December 31, 1915.....	333.20	
	<hr/>	\$2,490.95
Expended		2,912.86
		<hr/>
Overdraft December 31, 1916.....		\$ 421.91

Expenditures

H. D. Livingston.....	\$1,099.60
W. H. O'Brien.....	1,089.50
Lowell Electric Light Corp.....	2.29
New Eng. Tel. & Tel. Co.....	82.35
C. F. Richardson.....	3.92
Allen Auto Co.....	227.25
J. A. Ruth.....	3.00
L. A. Derby & Co.....	1.33
Police Dept., Lowell.....	18.25
McSweeney's Express	1.00
C. H. Morley.....	1.50
W. D. Doyle.....	6.00
Mitchell Mfg. Co.....	15.00
American Express Co.....	.26
Dr. M. A. Buck.....	5.00
B. R. Benner, M. D.....	10.68
W. E. Livingston.....	15.00
Edward A. O'Connor.....	118.50
	<hr/>
Amount carried forward.....	\$2,700.43

Amount brought forward.....	\$2,700.43	
Iver Johnson Co.....	15.63	
M. J. Ferriek.....	3.60	
Will Rounds	13.00	
C. A. Wright.....	3.00	
J. F. Reardon.....	28.00	
Grace & Smith.....	1.10	
Norris Millbury	3.00	
M. E. Allen.....	31.80	
H. B. Hosmer.....	6.00	
M. J. Gill.....	72.60	
Smith & Brooks.....	19.10	
T. G. Messer.....	6.00	
Billerica Printing Co.....	4.50	
E. A. King.....	3.50	
C. O. Bartlett.....	1.60	
	<hr/>	\$2,912.86

REPORT OF PARK COMMISSIONERS

The Board of Billerica Park Commissioners have to report as follows:

The Common at the Center

Here the drainage was improved, seats attached to posts, trees trimmed by the Tree Warden, walks re-surfaced. The cost of this work, about \$50, was taken from the Park Commissioners' appropriation and not from the \$200 appropriated for the improvement of the Common. It is proposed to fertilize the Common, re-grade low spots near the Soldiers' Monument, place concrete markers at historic trees, and a few permanent concrete seats in place during the coming season. There is also appropriated \$125 for cleaning grass, cutting and edging trees on the Common each year. It is suggested that the care of the Common be made to include the triangle opposite the waiting station, from which some trees ought to be removed to permit good turf to grow. The new work here might be done from the \$200 set aside for the improvement of the Common.

Fordway Park

This park has been maintained during the year at a cost of about \$50. It is proposed to improve the westerly part of the grounds and add some seats with the balance of the appropriation.

The Kohlrausch Playground

Here about \$300 was expended in removing trees, blasting large boulders and underdraining the wet ground in advance of Community Day, April 29th. This day opened with six inches of snow on the ground, in which work began before seven o'clock. By noon the working force was reinforced to include an auto truck, two automobiles, twelve horses with carts, drags and tools, as required, and four hundred men, women and children. This force cut brush, trimmed trees, moved rocks and soil on the playground and in the grove. The ladies solicited and served 800 lunches in the Talbot School House to the workers at noon and again in the evening, as well as liquid re-

freshments on the grounds. In the afternoon the Middlesex Training School Band gave a concert while the work was going on.

Over 400 signatures of the workers were secured and are to be deposited in a copper box in a corner stone of the Community Shelter, for which plans have been made. It is estimated that the value of the work accomplished on this day was between \$200 and \$300. This wholly voluntary contribution of labor, equipment and good will, and the bringing together of about one-tenth of the total population of the town to work for a common cause, made Community Day a notable event in our history. A detailed account of this day is in the Lowell Courier-Citizen of May 1st, 1916. It is intended to repeat the day the coming year.

A contract which will require the balance of the appropriation, about \$200, is being executed to draw the remainder of loose stones to the low ground for filling and good drainage, over which cinder and soil will be placed to form a playing surface. A considerable amount of filling material delivered on the spot free of cost has been promised.

There is now to the credit of the Park Commission an unexpended balance for 1915 and 1916 appropriation of \$121.63; for the Fordway, \$151.80; for the Kohlrausch Playground, \$197.94, the expenditure of which is provided for as above.

The report of the Commission to the Annual Meeting, March 4th, 1915, estimated the cost of properly completing the Playground at \$3,000. The only appropriation made thus far is \$500, and if it is the wish of the citizens to complete the work, the balance should be provided for. This could be done in three ways:

1. Raise and appropriate the entire amount this year.
2. Appropriate the entire amount this year and raise the money by the issuing of Town notes.
3. Raise and appropriate a portion of the amount each year until the work is completed.

WARREN H. MANNING,
FREDERIC S. CLARK,
J. NELSON PARKER.

REPORT OF CATTLE INSPECTOR

To the Honorable Board of Selectmen:

I herewith submit my report:

Since our last report I have examined the following number of animals:

Cattle	1,126
Swine	1,246
Horses	8
Dogs	12

Fourteen cattle infected with tuberculosis have been killed by the State, for which the owners have received \$522.50.

Respectfully submitted.

ALBERT H. JONES,

Cattle Inspector.

REPORT OF FISH WARDEN

To the Honorable Board of Selectmen:

Gentlemen:—I am pleased to report that there were only a few violations of the law during the year, and these were only minor offences.

Very truly yours,

JOHN M. KENNELLY,

Fish Warden.

REPORT OF SEALER OF WEIGHTS AND MEASURES

To the Honorable Board of Selectmen:

Gentlemen:—I hereby submit my report as Sealer of Weights and Measures for the year ending December 31, 1916:

Scales sealed	60
Scales adjusted	7
Scales non-sealed	11
Weights sealed	144
Weights adjusted	8
Liquid measures sealed.....	14
Measuring pumps sealed.....	4
Measuring pumps adjusted.....	2

Respectfully submitted,

JOHN J. RITCHIE,

Sealer.

REPORT OF ASSESSORS

To the Board of Selectmen:

The Assessors submit the following report for the year 1916:

Total valuation April 1, 1916.....	\$5,722,501.00
Additional Assessment Dec. 20th, 1916.....	1,237.29

Total	\$5,723,738.29
Rate of tax per \$1,000.....	\$19.00
Number of Polls.....	1,078
Dwelling houses	1,490
Cows	612
Neat cattle other than cows.....	130
Swine	475
Horses	366
Acres of land assessed.....	15,872
Fowls assessed	8,479
Residents assessed on property.....	823
Non-residents assessed on property.....	1,893
Amount of taxes levied for all purposes.....	\$110,882.08

WILLIAM H. SEXTON,

WM. H. HUTCHINS,

Assessors.

ASSESSORS' SPECIAL

Appropriation	\$120.00	
Overdraft, 1915	16.44	
	<hr/>	\$103.56
Expended		97.43
		<hr/>
Balance December 31, 1916.....		\$ 6.13

Expenditures

Qua, Howard & Rogers.....	\$66.12	
E. Wentworth Prescott.....	15.94	
Thomas Groom & Co.....	4.75	
Courier-Citizen Co.	6.06	
American Express Co.....	.26	
Hobbs & Warren.....	.25	
Wakefield Daily Item.....	2.05	
T. F. Lyons.....	2.00	
	<hr/>	97.43

REPORT OF BOARD OF HEALTH

North Billerica, Mass.

We are very glad to be able to say that during the past year we have been free from epidemic of any kind. There has been 5 scattered cases of diphtheria throughout the year.

During the severe epidemic of infantile paralysis in the State, in the late summer, we were very fortunate to have only 2 cases, both of a mild type. This is the first year a Milk Inspector has been appointed. His report is found on another page. We desire to call attention to the chapter in the Book of Regulations of the Board of Health of Billerica concerning the collection of garbage. No one is allowed to do this without a permit from this Board, so far we have granted only one. We advise each household to use for their garbage a metal can, with a cover, fly tight. These will be emptied every other day during the summer months by the garbage collector.

We hope to be able to make as favorable report at the end of the present year regarding the number of contagious diseases.

Respectfully submitted,

MAURICE A. BUCK, M. D., Chairman,

NEIL K. FORHAN, M. D., Secretary,

THOMAS A. ELLIS,

Board of Health, Billerica.

REPORT OF MILK INSPECTOR

To the Board of Health of the Town of Billerica:

I find there are one hundred and seven places in the Town where milk is sold. Of this number about half have applied for a license to sell milk, and in most cases a license has been granted. I have visited the different places where milk is sold, and find them to be in good condition, with few exceptions. These few have expressed a willingness to make satisfactory changes within a reasonable time.

Respectfully submitted,

ALBERT H. JONES,

Milk Inspector.

REPORT OF MEAT INSPECTOR

To the Board of Health of the Town of Billerica:

I herewith submit my report as Inspector of Meats for the year ending December 12, 1916:

Within the last year I have inspected the following number of animals which have been slaughtered:

Beef	102
Calves	250
Hogs	334

Of this number there were sixteen beef, thirteen calves and two hogs that were found unfit for food.

Respectfully submitted,

ALBERT H. JONES,

Meat Inspector.

FINANCIAL STATEMENT

Appropriation	\$1,000.00	
Balance Dec. 31, 1915.....	10.65	
	<hr/>	\$1,010.65
Expended		644.04
		<hr/>
Balance Dec. 31, 1916.....		\$ 366.61

Expenditures

Thomas Talbot Memorial Hall.....	\$ 3.00	
John S. Welsh, groceries.....	36.25	
Dr. N. K. Forhan, services.....	75.46	
Thomas Groom & Co., diet cards.....	5.00	
N. R. Mahoney, stationery.....	10.62	
M. Elwood, groceries.....	35.61	
I. A. Johnson, milk.....	1.20	
American Express Co., express.....	.26	
Dr. T. B. Smith, services.....	165.00	
Courier-Citizen Co., printing.....	104.00	
Claire M. Cooley, nursing.....	55.75	
A. H. Nickles, rent.....	14.25	
T. A. Ellis, taking cultures.....	29.50	
Ervin Wing, reimbursement.....	27.00	
Rutland State Sanatorium.....	81.14	
	<hr/>	
Total		\$644.04

REPORT OF HIGHWAY SURVEYOR

To the Board of Selectmen and Citizens of the Town of Billerica:

I submit my report for the year ending December 31, 1916:

The following macadam roads were resurfaced, using 12,280 gallons of Tarvia, and binding the same with sand:—Elm Street, Wilson Street, Talbot Avenue, Main Street, and Concord Road.

The roads were scraped and gravelled in numerous places. The Boston Road across Barrett Flats and Lowell Street was patched, using 95 loads of gravel. Town Farm Lane was repaired and a 24 ft. culvert crossing the same was rebuilt. Patching was also done on Cook Road, School Lane, Turnpike, Lexington Road and in various places through East Billerica. A shoulder was repaired on the Boston Road.

The hill on River Street has been widened, and Pond Lane, Chelmsford Road and Bedford Road have been gravelled for a length of 1,539 feet, for a width of 12 feet and depth of 6 inches. Gravel has been placed on Spring Street for a length of 1,275 feet, for a width of 12 feet and depth of 8 inches. The hill on the Chelmsford Road near the Manning Manse has been repaired.

All gutters and catch basins in Billerica Centre and North Billerica have been cleaned twice.

The sidewalks on Andover Street and Talbot Avenue have been sanded and repaired.

A culvert 48 feet long of 24-inch pipe, with a concrete head at each end, was placed across Lowell Street. Forty-eight feet of pipe has been laid on Main Street at Bennett Hall under the driveways and 24 feet in front of the New High School.

The section of macadam on Concord Road constructed under the 1915 appropriation was completed, a top layer of stone, using a double penetration of tar, being put down for a length of 2,500 feet and width of 18 feet. Under the appropriation for 1916 this road was completed, 1,600 feet of macadam being built. On this section of road it was necessary to remove the dirt, which was unsuitable for a foundation, for a depth of 2 feet, and replace it with 1,200 loads of gravel.

This road was built 18 feet wide with 6 inches of crushed stone, using a double penetration of tar. Six large trees were removed. Six culverts 40 feet long, and one 82 feet long, were installed to provide a thorough drainage.

On the Boston Road a length of 3,000 feet and width of 18 feet was plowed and sub-graded. All voids were filled with sand and 5 inches of stone was placed on the entire length. Two culverts, 40 feet in length, were installed.

The triangular piece in front of the Faulkner House at the Centre was resurfaced with stone and tar, and the gutter in front of the Post Office was graded.

The Corner Bridge has been replanked, and the other bridges have been kept in repair.

The condition of the River Street bridge is very serious, and warnings have been placed on the bridge against heavy teaming over it. This bridge is constructed with driven piles, and is beyond repair.

Respectfully submitted,

HARRY W. ESSEX,

Highway Surveyor.

Highways

H. W. Essex, surveyor.....	\$294.50
L. Messer, teamster.....	174.00
E. Fayton, teamster.....	156.00
F. Miller, teamster.....	154.00
F. Lewis, labor.....	136.75
T. Hayes, labor.....	145.50
J. Bicknell, labor.....	143.75
T. McBride, labor.....	116.75
C. Walker, labor.....	206.40
G. Ennion, labor.....	82.00
C. Wright, labor.....	1.26
E. Newell, labor.....	1.00
C. Spaulding, labor.....	16.00
C. Paige, labor.....	10.00
W. Phair, labor.....	4.00

Amount carried forward..... \$1,641.91

Amount brought forward.....	\$1,641.91
W. Schulth, labor.....	5.00
S. French, labor.....	5.00
E. Winship, labor.....	5.00
W. Miller, labor.....	6.00
Frank Harrington, team.....	151.60
J. Ennion, labor.....	8.00
Mrs. E. Mixon, sand.....	3.60
F. G. Morey & Co., grain.....	242.97
G. Spaulding, team.....	53.75
Donovan Harness Co., supplies.....	3.50
Telephone Co.	4.31
A. Lyons, team.....	3.75
E. Miller, labor.....	7.00
A. Miller, labor.....	40.00
H. W. Essex, conveyance.....	100.00
In. Coal Tar Co.....	23.99
Barrett Mfg. Co.....	758.84
J. Richardson, supplies.....	2.17
N. England Metal Co., culvert.....	72.96
McElligott Bros., labor.....	54.18
H. Pasho, snow work.....	16.50
G. P. Greenwood, snow work.....	14.13
F. Spaulding, labor.....	2.40
R. Barris, harness repairing.....	33.95
Rice & Co., wire.....	11.04
McSweeney Express	1.20
E. Bartlett, team.....	41.00
B. Ward, team.....	6.00
Mary A. Mason, team.....	208.14
C. Foster, team.....	45.00
T. G. Messer, team.....	125.00
B. G. Hutchins, labor.....	6.00
C. D. Tutein, team.....	37.00
C. Miller, labor.....	53.50
G. Simmons, snow work.....	117.25
A. H. Jones, hay.....	121.51
R. Hopkingson, labor.....	4.00
I. Hopkingson, labor.....	35.00
Amount carried forward.....	\$4,072.15

Amount brought forward.....	\$4,072.15	
V. M. Rollins, snow work.....	48.00	
W. Shedd, snow work.....	27.00	
E. A. King, supplies.....	2.00	
American Express Co.....	6.59	
L. Peavy, teamster.....	18.00	
Ames Plow Co.....	56.44	
B. W. Kearney, snow.....	36.50	
B. & M. R. R.....	.73	
C. H. Hanson, horses.....	535.00	
E. Spaulding, hay.....	48.87	
D. W. Dutton, team.....	12.00	
Geo. Carter, labor.....	8.00	
C. Phillips, engineer.....	21.00	
		<hr/>
		\$4,892.28

Street Railway Excise Tax

H. W. Essex, surveyor.....	\$399.00
C. Phillips, engineer.....	133.00
L. Messer, teamster.....	161.00
F. Miller, teamster.....	159.00
L. Peavy, teamster.....	94.00
F. Lewis, labor.....	129.95
J. Bicknell, labor.....	163.55
T. Hayes, labor.....	175.15
C. Miller, labor.....	115.55
C. Spaulding, labor.....	38.00
C. Walker, labor.....	225.40
T. Messer, team.....	6.00
G. Spaulding, team.....	265.00
B. Kearney, team.....	10.00
D. Dewire, team.....	9.00
E. Bartlett, team.....	96.00
T. Rollins, team.....	72.00
A. Miller, labor.....	58.35
G. Carter, labor.....	27.15
A. Cook, team.....	87.00
E. Porter, labor.....	7.20
E. A. Barker, labor.....	3.00
Winchester Rock & Brick Co.....	177.19

Amount carried forward.....	\$2,611.49
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Amount brought forward.....	\$2,611.49
J. Bull, supplies.....	2.32
T. McBride, labor.....	96.75
B. & M. R. R., freight.....	156.35
W. Miller, labor.....	31.00
F. G. Morey & Co., grain.....	264.60
American Express Co., freight.....	.77
Ames Plow Co., supplies.....	6.79
J. Richardson, pipe.....	3.78
C. A. Foster, team.....	174.00
S. French, labor.....	49.95
Suburban Land Co., labor.....	4.00
N. England Telephone.....	8.84
H. G. Watts, supplies.....	36.00
C. Burton, blacksmith.....	29.44
R. Hopkinson, labor.....	2.00
Melvin F. Master, chemist.....	20.00
McSweeney Express Co.....	2.85
C. Wright, team.....	9.00
W. Sprowl, labor.....	27.55
F. Mahoney, labor.....	94.80
G. Sampson, supplies.....	10.25
E. A. King, supplies.....	18.51
I. Hopkinson, snow work.....	12.50
P. Lacey, labor.....	30.00
C. Burrows, labor.....	54.00
C. D. Tutein, team.....	57.00
A. H. Jones, hay.....	48.22
M. Schwartz, straw.....	11.50
N. England Road Co., supplies.....	8.50
H. W. Essex, conveyance.....	25.00
P. G. Dockham, hay.....	32.25
H. Sherry, labor.....	22.35
F. McIntosh, labor.....	15.15
C. Kitchen, labor.....	19.20
J. Rollins, labor.....	33.60
W. Shedd, labor.....	12.00
H. Jackson, labor.....	19.20
E. Fayton, teamster.....	30.00
Amount carried forward.....	<hr/> \$4,091.51

Amount brought forward.....	\$4,091.51	
F. Harrington, team.....	18.00	
C. Hill, labor.....	2.00	
T. Elder, labor.....	2.40	
M. English, gravel.....	24.75	
P. E. Holman, labor.....	28.80	
E. Spaulding, hay.....	79.81	
E. F. Dickerson, hay and straw.....	21.33	
Donovan Harness Co., supplies.....	3.90	
		<hr/> \$4,272.50

Boston Road Macadam

H. W. Essex, surveyor.....	\$129.50	
C. Phillips, engineer.....	136.50	
L. Messer, teamster.....	87.00	
F. Miller, teamster.....	87.00	
L. Peavy, teamster.....	87.00	
F. Lewis, labor.....	84.50	
J. Bicknell, labor.....	77.30	
C. Miller, labor.....	87.00	
T. Hayes, labor.....	75.00	
W. Sprowl, labor.....	73.50	
Geo. Carter, labor.....	68.70	
F. Mahoney, labor.....	63.90	
S. French, labor.....	51.90	
A. Miller, labor.....	65.10	
F. McIntosh, labor.....	59.10	
J. Rollins, labor.....	29.10	
J. O'Neil, labor.....	15.60	
W. Gardner, labor.....	2.40	
H. Pasho, team.....	81.00	
F. Fuller, team.....	94.50	
C. Pasho, team.....	78.75	
Crosby & Flitner, team.....	48.75	
Arthur Cook, team.....	40.50	
C. Wright, team.....	39.00	
B. Ward, team.....	33.00	
T. Rollins, team.....	33.00	
J. Richardson, team.....	24.00	
E. F. Dickerson, team.....	19.36	

Amount carried forward.....	\$1,771.96
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Amount brought forward.....	\$1,771.96	
Horne Coal Co.....	95.46	
Boston & Maine R. R.....	376.99	
American Express Co.....	47	
New England Road Co., supplies.....	20.00	
A. S. Bull, hay.....	25.00	
Ames Plow Co., supplies.....	15.10	
H. Sherry, labor.....	19.20	
Penn Metal Co., culverts.....	83.20	
E. Hanes, conveyance.....	7.20	
H. W. Essex, conveyance.....	25.00	
Telephone Co.	3.41	
C. Hammon, labor.....	27.90	
Fred Mason, team.....	65.25	
C. D. Tutein, team.....	2.50	
G. Ennion, labor.....	4.80	
Mary Lyons, team.....	9.00	
		<hr/>
		\$2,552.44

Concord Road Macadam

H. W. Essex, surveyor.....	\$ 382.50	
C. Phillips, engineer.....	394.75	
L. Messer, teamster.....	234.00	
F. Miller, teamster.....	224.00	
L. Peavy, teamster.....	233.00	
F. Lewis, labor.....	233.10	
J. Bicknell, labor.....	158.90	
T. Hayes, labor.....	189.60	
C. Miller, labor.....	223.80	
A. Miller, labor.....	120.60	
C. Spaulding, labor.....	30.00	
Geo. Carter, labor.....	123.00	
J. Duffey, labor.....	67.80	
S. French, labor.....	105.40	
C. Walker, labor.....	73.20	
E. Frost, labor.....	12.00	
C. Burrows, labor.....	109.20	
W. Sprowl, labor.....	121.00	
H. Sherry, labor.....	123.60	
F. McIntosh, labor.....	100.80	
		<hr/>
Amount carried forward.....	\$3,260.25	

Amount brought forward.....	\$3,260.25
E. Porter, labor.....	7.20
F. Spaulding, labor.....	2.40
Standard Oil Co.....	14.00
N. England Metal Co.....	133.95
J. Richardson	8.89
C. B. Coburn, supplies.....	1.45
F. G. Morey & Co., grain.....	334.06
N. England Telephone Co.....	6.24
Horne Coal Co.....	76.70
C. Hill, labor.....	15.10
A. Cook, team.....	201.00
E. Bartlett, team.....	201.00
G. Spaulding, team.....	99.00
T. Messer, team.....	24.00
C. D. Tutein, team.....	150.00
Mary Lyons, team.....	138.00
J. H. Sparks, veterinary.....	3.00
C. H. Hanson, supplies.....	2.85
Ames Plow Co.....	7.22
B. & M. R. R.....	982.88
P. H. Sutherland, oil.....	10.00
F. Jaquith, hay.....	55.49
H. W. Essex, conveyance.....	50.00
Penn Metal Co., culverts.....	33.12
American Express Co.....	.59
T. McBride, labor.....	9.60
Winchester Rock & Brick Co.....	1,699.84
Buffalo Pitts Roller Co.....	18.92
Independent Tar Co.....	23.99
E. Fayton, teamster.....	12.00
E. A. Mores, boiler inspector.....	5.00
R. Barris, repairing harness.....	7.40
Seam Boiler Co.....	3.20
F. Lyons, supplies.....	1.17
Barrett Mfg. Co.....	1,245.79
E. Spaulding, hay.....	48.87
C. Wright, team.....	6.00
Lowell Waste Co.....	12.76
B. Costello, labor.....	3.00
	<hr/>
	\$8,915.93

Sidewalks

Frank Harrington	\$104.25	
B. W. Kearney.....	33.37	
F. Alexander	48.50	
D. J. Dewire.....	30.00	
N. England Road Co.....	65.00	
	<hr/>	\$281.12

River Street Appropriation

J. Rollins, labor.....	\$55.20	
A. Miller, labor.....	4.80	
V. M. Rollins, team.....	66.00	
H. Jackson, labor.....	26.40	
W. Shedd, labor.....	14.40	
Pay Roll Dec. 25.....	42.50	
Pay Roll, Jan. 1.....	12.50	
Geo. H. Taylor.....	10.25	
	<hr/>	\$232.05

Bridges

J. A. Richardson, lumber.....	\$259.02	
A. H. Jones, labor.....	31.00	
McElligott Bros., labor.....	40.00	
	<hr/>	\$330.02

BOARD OF HEALTH

Correction.—The financial statement printed on page 94 relates to the Board of Health, and should follow the Report of that Board on page 92.

REPORT OF OVERSEERS OF THE POOR

To the Honorable Board of Selectmen and Citizens:

In the following report we submit the financial and personal condition of the Home Farm and Relief departments. It was most essential on our part to finish much-needed improvements by which an extraordinary expense was incurred. These improvements include shingling and repairing the barn, construction of new sheds, and grading the premises, which is not yet completed, and we feel that they doubly repay the additional cost. There is other necessary work which must be done to complete the entire establishment, but this can be met at a small expense.

There have been six inmates at the Home during the past year, all of whom have enjoyed health and comfort.

We desire to express our gratitude and appreciation for the earnest and devoted work in behalf of the inmates of our worthy State visitor, Mrs. George Preston. Through her able efforts, personal attention and benevolence the inmates were entertained and feasted six times during the year. The Christmas celebration furnished by Mrs. Preston in conjunction with the president and members of the Nineteen Hundred Club was very impressive. The entertainment and presentation of gifts brought gladness to the hearts of all.

Financial Statement, Home Farm

The Overseers, in submitting their annual report to the citizens, desire to explain the cause of overdraft. The extraordinary expense incurred in part is as follows:

Shingling and repairs on barn.....	\$465.00	
Extra house furnishing.....	86.55	
Rebuilding and roofing shed.....	131.24	
Extra farm implements.....	124.50	
		<hr/>
Extra expense incurred.....		\$807.29
Appropriation	\$ 800.00	
Balance Dec. 31, 1915.....	287.32	
Receipts	3,217.18	
		<hr/>
		\$4,304.50

Approved bills, 1915.....	\$ 143.94
Approved bills, 1916.....	4,484.30
	<hr/>
Total expenditure	\$4,628.24
Total resources	4,304.50
	<hr/>
Overdraft Dec. 31, 1916.....	\$ 323.74

**Appraisal Personal Property at Home Farm,
December 16, 1916**

14 cows, 1 bull, 5 heifers.....	\$1,300.00
1 pair bay horses.....	600.00
75 tons ensilage, 28 tons hay.....	916.00
40 cords manure.....	240.00
Grain	46.00
Harnesses, blankets, robes.....	100.00
275 gallons molasses.....	60.50
Fowl	50.00
Wood, \$86.00; 13 tons coal, \$107.50.....	193.50
Farming implements, carpenter tools.....	410.00
Carts, wagons, sleds, pung.....	260.00
Vinegar, sashes, barrels, boxes, casks.....	26.00
Vegetables, fruit, preserves.....	58.00
Groceries	30.00
250 lbs. pork and ham.....	37.50
House furnishings	345.00
Table linen and bedding.....	95.00
Extinguishers, ice chest, cooler, pails.....	37.00
Union safe	50.00
Gifts—Stella cabinet, bookcase, hospital furniture	
	<hr/>
Appraisal December, 1916.....	\$4,855.25
Appraisal January 10, 1916.....	4,478.50
	<hr/>
Increased valuation	\$ 376.75

Approved Bills for Year 1916

Herbert A. Bowerman and wife, salary.....	\$645.87
James Sutter, wages.....	128.09
Herbert Stevenson, wages.....	151.05
	<hr/>
Amount carried forward.....	\$925.01

Amount brought forward.....	\$925.01
F. G. Morey & Co., grain.....	403.54
F. G. Morey & Co., machinery.....	74.50
Foster Grain Co., grain.....	177.80
K. D. McKinnon, groceries.....	294.75
A. G. Pollard Co., dry goods.....	75.12
J. A. Richardson, pipes and lumber.....	20.86
A. D. Perkins, fish.....	32.69
N. E. Tel. & Tel. Co., service.....	27.23
J. T. Williamson, blacksmith.....	27.35
Lowell Electric Light Corp., service.....	5.40
National Butter Co., supplies.....	68.44
A. Freeman, brewery grain.....	359.04
E. E. Smith Co., hardware.....	55.56
John S. Welsh, meat.....	118.32
Donovan Harness Co., repairs.....	3.60
R. Barris, repairs.....	2.65
Robertson Co., beds	50.00
Adams Hardware & Paint Co., hardware.....	35.34
J. L. Chalifoux Co., clothing.....	6.50
Dr. N. K. Forhan, 3 visits.....	4.50
Fred Lewis, plastering.....	5.00
C. W. Parsons, cow.....	100.00
A. Osterman, harvester.....	50.00
Dr. C. A. Hamblet, services.....	6.00
E. E. Cole Co., grain.....	239.25
Lowell Rendering Co., 2 pigs.....	8.00
J. Dufresne, cutting wood.....	70.25
J. B. Cover Co., grain and seed.....	34.81
Tewksbury, taxes	5.25
D. J. Dewire, coal.....	16.00
J. W. Bostwick, spraying.....	6.48
W. H. Dooley, 2 cows, \$175.00; milk, \$2.65.....	177.65
E. A. King, shingling barn.....	465.00
E. A. King, roofing and nails.....	56.34
O. Ouellette, carpenter work.....	39.55
American Agricultural Co., fertilizer.....	48.85
E. Potter, plants.....	4.40
T. A. Ellis, plumbing.....	7.07
Amount carried forward.....	<hr/> \$4,108.10

Amount brought forward.....	\$4,108.10
H. W. Barnes, labor.....	8.50
W. Sutcliffe, sawing wood.....	15.00
A. G. Benoit, hay.....	45.00
J. B. Le Lacheur, groceries.....	37.44
J. J. Porter, meat.....	10.11
Pratt & Forrest Co., lumber.....	3.41
John Dewhurst, hay.....	20.00
Miscellaneous cash payments, 12 months.....	236.74
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Total bills approved 1916.....	\$4,484.30

Receipts of Home Farm, 1916

W. H. Dooley, milk.....	\$2,079.85
Mathews' Market, cow, pig, calves, fowl.....	114.72
Mr. Paignon, calf and pig.....	20.00
J. E. French, wood.....	15.00
A. Ailinsky, cows and calves.....	183.00
M. Manning, wood.....	10.00
Mr. Knight, wood.....	60.00
Mr. Christmas, wood.....	12.00
Mrs. Dewhurst, milk.....	23.46
Mrs. Sonia, milk.....	15.54
Mrs. Messenger, milk.....	20.18
Private calls on telephone.....	5.96
Peddler, fowl	3.25
Mrs. Collins, milk, \$51.47; apples, \$94.16.....	145.63
James Soutter, 1/2 pig.....	11.00
I. Cohen, bags, \$7.07; fowl, \$10.18.....	17.25
J. Meyers, apples, \$67.50; eggs, 75c.....	68.25
E. Hamel, wood.....	15.00
Mrs. E. McSweeney, milk.....	20.29
Mrs. Donahue, milk.....	23.23
Mrs. Lutender, milk.....	12.34
Mrs. Mahoney, milk.....	4.20
Mrs. J. Smith, milk.....	15.64
Mrs. T. Sullivan, milk.....	3.36
Mr. Thalward, wood.....	30.00
Mrs. J. Crotty, wood.....	13.50
<hr/>	
Amount carried forward.....	\$2,942.65

Amount brought forward.....	\$2,942.65
Mr. O. D. Messer, wood.....	10.00
Mr. J. H. Labonte, wood.....	3.50
Mrs. Howard, wood.....	10.00
Mr. J. P. Greguire, wood.....	10.00
Mrs. Toby, wood.....	3.50
Maxwell & Donnelly, bill boards.....	20.00
Receipts ³ for plowing, teaming, etc.....	19.80
Mrs. McBride, wood.....	3.50
J. Lazell, lumber, \$125.00; vegetables, \$5.16....	130.16
James Soutter, fowl.....	7.00
I. Johnson, wood, \$17.50; labor, \$25.69.....	43.19
M. Boutwell, old cupboard.....	5.00
Mrs. Rapson, apples.....	2.50
Haverhill, reimbursement	5.00
Rebate on bill.....	1.38
<hr/>	
Total receipts 1916.....	\$3,217.18

REPORT OF OUTSIDE PARTIAL SUPPORT

There has been a wide range of outside relief granted during the past year. Temporary outdoor aid and Mothers' Relief were most conspicuous. Nineteen individuals were relieved, including 9 families, 8 mothers, 2 fathers, and 34 children.

OUTSIDE RELIEF

Approved Bills for Partial Support

Mrs. O. W. Gilman, part board, Nov. 27, 1915, to Nov. 25, 1916.....	\$317.00
St. Peter's Orphanage, part board, Dec. 1915, to Dec., 1916	168.00
Overseers' official visits and postage.....	15.49
Bridgewater, groceries	126.41
Ashburnham, groceries	116.36
State Hospital, Tewksbury.....	130.00
N. E. Tel. & Tel. Co.....	17.26
Hobbs & Warren, blanks.....	9.63
<hr/>	
Total relief for Town cases.....	\$900.15

Outdoor Cases

Chatham case—Mrs. Ellwood, groceries.....	\$ 10.00	
Chatham case—D. J. Dewire, wood.....	4.00	
Minor Wards (unsettled)—Charlotte Shedd, board	17.91	
State charge—W. G. Watts Co., Gracie & Smith, groceries	77.97	
State charges—Transportation	4.00	
State charges—Cash paid by Town Nov. 27, 1915, to Dec. 30, 1916.....	299.00	
<hr/>		
Total temporary aid, outdoor relief.....		\$412.88

**MOTHERS WITH DEPENDENT CHILDREN, CHAPTER
763, ACTS 1913**

Town charges—John S. Welsh, groceries, Dec. 1, 1915, to Dec. 1, 1916, reimbursement by State 1-3	\$153.54	
Town charges—Cash paid by Town Jan. 1, 1916, to Jan. 1, 1917, reimbursement by State 1-3	317.00	
Outside charges—Cash paid by Town Dec. 31, 1915, to July 16, 1916, reimbursement Con- cord 2-3, State 1-3.....	103.70	
State charges—Cash paid by Town Jan. 8, 1916, to Jan. 6, 1917, reimbursement by State in full	492.00	
State charges—Cash paid by Town Feb. 12, 1916, to Jan. 6, 1917, reimbursement by State in full.....	376.00	
<hr/>		
Total Mothers' Relief.....		\$1,442.24
Approved bills outside relief.....	\$ 900.15	
Approved bills outdoor relief.....	412.88	
Approved bills mothers' relief.....	1,442.24	
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Total 1916		\$2,755.27
Temporary aid bills unpaid 1915.....		23.00
<hr/>		
Total approved bills from all sources.....		\$2,778.27

Reimbursements Paid 1916

Mothers' Relief—State	\$1,047.66	
Mothers' Relief—Concord	145.38	
	<hr/>	\$1,193.04
Temporary Aid outdoor—State.....	\$82.63	
Temporary Aid outdoor—Lowell.....	24.33	
Temporary Aid outdoor—Chatham.....	15.00	
	<hr/>	\$ 121.96
		<hr/>
Total 1916		\$1,315.00

FINANCIAL STATEMENT, PARTIAL RELIEF

Appropriation	\$ 800.00	
Balance December 31, 1915.....	24.05	
Reimbursements	1,315.00	
	<hr/>	\$2,139.05
Total bills approved.....	\$2,778.27	
Total cash resources.....	2,139.05	
	<hr/>	
Overdrawn.....		\$639.22

Reimbursements Due Dec. 31, 1916

State Mothers' Aid.....	\$208.07	
State Temporary Aid.....	377.00	
	<hr/>	
Total reimbursements due Dec. 31, 1916.....		\$585.07
		<hr/>
Above returns reduce overdraft Dec. 31, 1916, net		\$ 54.15

RICHARD J. CONWAY,

COBURN S. SMITH,

WARREN HOLDEN,

Overseers of the Poor.

ANNUAL REPORT
OF THE
School Committee
AND THE
Superintendent of Schools
OF

BILLERICA, MASS.,

For the Year Ending December 31, 1916

SCHOOL COMMITTEE

Organization

MAURICE A. BUCK, Chairman	Tel. Billerica 16
Term expires 1919	
HERBERT B. HOSMER, Secretary	Tel. Billerica 44
Term expires 1917	
J. FREDERICK GANNON	Tel. Billerica 93
Term expires 1918	

Superintendent of Schools

EUGENE C. VINING

Residence: Concord Road and Charnstaffe Lane Tel. Billerica 100
 Office: High School Building Tel. Billerica 52-3
 Office Hours: 8.00 to 9.30 A. M.; 1 to 2 every school day. May
 generally be seen at residence between 6 and 8 P. M. of school
 days.

School Physician

DR. MAURICE A. BUCK

Attendance Officers

FRANK S. BARTLETT	WILLIAM S. TAYLOR
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Regular meetings of the School Committee are held on Thursday evening preceeding the first Monday of each month, except August, at the School Building at 8 P. M.

SCHOOL CALENDAR, 1917

School opens January 2.
 Closes for Spring Recess March 30.
 Opens April 9.
 Closes for Summer Vacation June 29.
 Opens September 4.
 Closes for Thanksgiving Recess November 28.
 Opens December 3.
 Closes for Christmas Recess December 21.

No-School Signals

Four rounds of two blasts (2-2-2-2) by the fire alarm whistle:
 At 7.20 A. M. to indicate no session of the Howe High School.
 At 7.50 A. M. to indicate no session of the Talbot and Pollard
 Schools.
 At 11.20 A. M. to indicate that the morning session will be ex-
 tended to 12.40, and no further afternoon session.

RETURNS FROM THE FORTHCOMING REPORT OF THE STATE BOARD OF EDUCATION

For the School Year Ending June 30, 1916

(Rank indicates order among the 353 towns of the Commonwealth)

		Rank
Population (1915)	3,246	136
Census enrolment 5-16 years (1915).....	724	
Number of pupils enrolled in schools.....	691	
Average membership	638	
Average number of days in session.....	184	
Valuation	\$5,507,928.00	
Valuation per pupil in average membership.....	\$8,633.00	70
Total support for schools.....	\$27,567.76	
Cost per pupil average membership.....	\$43.07	154
Expenditure per \$1,000 valuation for school support	\$4.90	228
Expended for text books.....	\$698.70	
Expended for supplies.....	\$821.01	
Expended for repairs.....	\$2,374.43	
Expended for transportation.....	\$2,459.00	

ENROLMENT BY GRADES DEC. 1, 1916

Howe High

Grade	Boys	Girls	Totals
Twelfth	1	6	7
Eleventh	5	17	22
Tenth	10	23	33
Ninth	25	28	53
Eighth	30	30	60
Seventh	29	38	67
<hr/>			
Total	100	142	242

Pollard

Sixth	18	15	33
Fifth	16	23	39
Fourth	21	18	39
Third	19	18	37
Second	16	15	31
First	16	28	44
<hr/>			
Total	106	117	223

Talbot

Sixth	17	18	35
Fifth	18	23	41
Fourth	22	17	39
Third	18	17	35
Second	22	22	44
First (I.)	19	12	31
First (II.)	14	15	29
<hr/>			
Total	130	124	254
Grand total	336	383	719

CENSUS 1916

No. of children between 5 and 7 years of age	74	83	157
No. of children between 7 and 14 years of age	242	239	481
No. of children between 14 and 16 years of age	52	76	128
<hr/>			
No. of children between 5 and 16 years of age	368	398	766

REPORT OF SCHOOL COMMITTEE

To the Citizens of Billerica:

We beg leave to make the following report for the year 1916:

At the beginning of the year 1916 we faced the same unsatisfactory conditions that prevailed during 1915, namely, the crowding to capacity of the Pollard and Talbot Schools, and the overcrowding of the Howe School, necessitating the use of the banquet room in the Town Hall. Also the Manual Training Department was housed in a building owned by Mr. George Greenwood, located on the Boston Road not far from the Centre.

We started the year with the same teaching staff that we had during the second term in 1915, and only made one change up to the close of school in June: the appointment of Miss Sadie I. Burgess to the vacancy caused by the resignation of Miss Mary H. Ort.

At the close of the term in June we received resignations from the following teachers: Miss Edith Burchell, Miss Annette MacKnight, Mr. Lewis Sheafe, and Miss Amy Corkum. Mr. Philip E. Perry, supervisor of Manual Training, we did not re-elect, believing we could make more economical terms elsewhere. Also prior to the opening of the Fall term we received the resignation of Miss Madeline Earle. In September we appointed Mr. J. B. Robinson janitor of the new Howe High School building.

At the opening of the Fall term our teaching staff had the following changes and additions: To the High School staff we elected Mr. MacCurdy, Miss Freeman, Miss Burroughs, and also Miss Hentz as an assistant to Miss Jones. To the Grammar School staff we elected Miss Steele and Miss Nickerson. Miss Grace L. Knowles was appointed principal of the Pollard School, and Mr. Beniah F. Harding was re-appointed principal of the Talbot School, both schools consisting of six grades only. Under the six-and-six plan Miss Stone and Miss Steele were given the two eighth grades, and Miss Masterson and Miss Dyson the two seventh grades, all located in the new Howe High School building.

The number of pupils in the first six grades at the East Billerica District School having decreased about 50 per cent., the Committee decided to close the building temporarily and transport the pupils to the Centre, which act we consider more advantageous to the pupils as well as more economical to the Town.

The transportation of the West Billerica children has been placed in new hands this fall—Mr. J. Edward Allen transports the pupils most satisfactorily by motor, for a lower figure than last year's barge transportation.

During the vacation the coal bin at the Pollard School has been made over, the basement ceiling has been covered with metal laths and plastered, and the engine room has been renovated and made thoroughly fireproof; also the partition which for the last two years has divided the fifth and sixth grade rooms has been removed, leaving the large room that was originally planned.

New sanitary arrangements, which have already given adequate satisfaction, were installed in the Talbot School, and all necessary repairs have been carefully made.

By boarding up the windows of the district schools we have hoped to cause a cessation of deterioration through vandalism.

Due jointly to the State-wide epidemic of infantile paralysis and the non-completion of the new Howe High School building, the start of the Fall term was delayed, but no more so than a goodly percentage of the schools in the State. Although the new building was not completed we occupied it, with our two seventh, our two eighth, and our four High School grades, in October, without interference with the work of completion, the fulfilment of which was accomplished and the school formally dedicated on December 8, 1916.

Unquestionably we have a model school building, and for a Town the size of Billerica probably the best in the State, a building of which all the townspeople should be proud.

The School Committee feels that too much thanks cannot be given the Building Committee for the efficient manner in which they have handled our school problems.

We also wish to thank the donors of the paintings and pictures which ornament the walls of our new building, as well as the donors of the books which ornament the library shelves.

Owing to the steadily increasing attendance, the increased cost of transportation, as well as the increasing demand for transportation, due to growth in our outlying districts, the new equipment in the Howe High School building, and the high cost of materials and school

supplies due to the war, your Committee would recommend that the sum of \$35,000 be raised and appropriated for the schools of Billerica for the year ending December 31, 1917.

That the sum of \$500 for medical inspection, the Dog Tax, and our unexpended balance be placed to the credit of the school account.

Closing, we would call to mind the words of Hon. Payson Smith, Commissioner of Education, Commonwealth of Massachusetts, spoken at the dedicatory exercises December 8, 1916:

“Remember that while you have a model school building, the building in itself means nothing without the hearty co-operation of the scholars and their parents.”

Respectfully submitted,

MAURICE A. BUCK,
HERBERT B. HOSMER,
J. FREDERICK GANNON.

REPORT OF THE SUPERINTENDENT OF SCHOOLS

To the School Committee, Billerica, Mass.:

Gentlemen:—I have the honor to present for your consideration the twenty-seventh in the series of annual reports of the Superintendent of Schools for the year ending December 31, 1916.

The three outstanding events in the annals of our school history for the year 1916 are closely inter-related:

(1) The completion and occupancy of the new Howe High School building. (2) The bringing together into this building of all grades above the sixth for organization on the six-six plan. (3) The centralization of all pupils of the first six grades in the Talbot and Pollard Schools, and reorganization with six grades instead of eight as formerly.

(1) The Completion and Occupancy of the New High School Building.

The steps leading to the completion of the new school building are so well known to all interested citizens as to require no review here. The School Committee deemed it unwise to open school until the new building could be occupied. The first session, therefore, was held Oct. 16. This date is no later than the opening of many schools throughout the State, which were delayed by the outbreak of infantile paralysis. With the prevailing shortage of materials, scarcity of labor, and difficulties in transportation, this date was possible only through the watchful attention and self-sacrificing services of the Building Committee. The constant efforts of the architects and contractors to make every detail as satisfactory as possible should not be unrecognized. The building was open for public inspection on the afternoon of the dedication, Dec. 8. It seems desirable that record of

the exercises of dedication should be preserved, and for this reason the program is here included:

Overture, "Morning, Noon and Night" Suppe
Orchestra

Invocation, Rev. J. Harold Dale

Address, "Some Opportunities Afforded by the Old Howe School"
J. Nelson Parker,
President of the Trustees of the Howe School

"Introduction and Rondo," Duo for Clarinet and Flute Barnard
Messrs. Bagley and Bissonnette

Address, "Some Opportunities Afforded by the New Howe High School"
Clarence D. Kingsley
Agent for High Schools—State Board of Education

Serenades for Flute and 'Cello, Titl
Messrs. Bissonnette and Ippolito

Presentation of Keys, Charles H. Eames
Chairman of Building Committee

Prescott L. Pasho
Clerk of Board of Selectmen

Dr. Maurice A. Buck
Chairman of School Committee

Address, "Education for Citizenship"
Hon. Payson Smith, LL. D.
Commissioner of Education—Commonwealth of Massachusetts

Selection from the Musical Comedy "Katinka" Frim
Orchestra

"America"

Benediction, Rev. W. H. Doggett

Inspection of the Building
Hibbard's Orchestra of Lowell
E. J. Borges, Director

Building Committee.—Charles H. Eames, Chairman; Thomas T. Clark, Secretary; Dr. Maurice A. Buck, Burton O. Sanford, Nathaniel R. Jones.

School Committee.—Dr. Maurice A. Buck, Chairman; Herbert B. Hosmer, Secretary; John F. Gannon.

Superintendent of Schools and Principal of Howe High School.—Eugene C. Vining.

General Contractor on New Building.—John W.^{*} Duff, Inc., Boston, Mass.

Architects.—Brainerd & Leeds, Boston.

Engineer.—Alfred S. Kellogg, Boston.

So much interest has been manifested in this as an up-to-the-minute, small town High School building, and so many inquiries have been received from schoolmen, publishers and architects even from outside New England, that the architects, Messrs. Brainerd & Leeds, have submitted a brief description.

Description of the Howe High School Building.

The new High School building, which has been occupied this fall, is built of red New Hampshire brick and gray cast stone. These have been combined in Colonial design made in the spirit of the best buildings of the same style in the Town.

The Building Committee were fortunate in being able to secure a site of nearly seven acres just across the street from the old Howe School. The gentle rise of this site from the street to the building greatly increases its dignity. The amount of land secured provides space enough for out-of-door sports, experimental work in horticulture, and extensions of the building for many years' growth. In planning the building, its future growth in numbers, and its methods of construction, have been constantly kept in mind.

The main entrance is in the center of the front, with the principal's office next it. Two additional entrances are placed at grade on the rear next the playgrounds. Four class rooms with wardrobes are located along the first story corridor to seat 170 seventh and eighth grade pupils. There are also two recitation rooms on the first floor, which may be used for either grade or high school work. The center of the rear of the building is occupied by the auditorium, 62 x 40 in size, two stories in height, fitted with stage and ante-rooms suitable for dramatics. This will seat comfortably 300 persons on the floor and 60 persons on the stage. A gallery to seat 140 persons may be added later at the rear if the growth demands it.

The second story is used by the High School for its study halls, recitation rooms, bookkeeping and science laboratory. At present home desks are provided in the study halls for 117 pupils. Desks in the bookkeeping and a large recitation room may also be used for this purpose, adding 80 to this number. If, in the future, we desire to organize the school on basis of study hall and recitation rooms, without home desks, the present study halls are sufficient for a school of 350. The library has been arranged as an alcove off one of the studies, so that the pupils may be taught its use, and work under the direction of the teacher. A lecture room to seat 40 has been placed just at the rear of the science laboratory. Next it is a suitable preparation room. When the need comes for another laboratory it can be placed in the first room in the future south wing, in convenient relation to the lecture room.

The basement is used for general purposes. It contains coat rooms for high school scholars and toilets for the entire building and shower baths for both sexes. It also contains suitable rooms for instruction in manual training, sewing and domestic arts and the boiler room. The space under the assembly hall is utilized for the lunch and recreation room. Between it and the domestic arts room are located serving rooms. The intention is that practical instructions in catering may be given in providing and serving school lunches.

The boilers installed are large enough to care for several additional rooms. It is anticipated that this enlargement is all that will occur during the life of the present boilers. The width and height of the boiler room is sufficient so that they can be replaced by boilers of a size to care for 75% increase in the size of the building. The building is heated by direct radiation. Ventilation is furnished by an electrically driven fan which draws the air through heating coils under thermostatic control and delivers it at each room with a fall in temperature not exceeding one degree. This arrangement gives a positive supply of fresh warm air, prevents overheating, and is economical in its consumption of fuel. Similar plants installed by the architect and engineer have given an efficiency of about six tons fuel consumption for each class room for a season as against 10 to 11 tons, the general average for Massachusetts schools.

The building itself is most thoroughly constructed for safety and permanence. The entire boiler room enclosure is incombustible. The fuel is dumped from the carts into a coal pocket outside of the building, thus removing from it all dust and the danger of spontaneous combustion. All stairs and first-story corridor floors are reinforced

concrete covered with linoleum, the walls enclosing them of masonry. The interior wood finish is of plain oak. All walls are painted. Care has been taken to select colors which are restful to the eye.

The architects who have assisted the Town in obtaining these results are Messrs. Brainerd & Leeds, 89 Franklin Street, Boston, and the designing of the heating and electrical work was done by Alfred S. Kellogg, 53 State Street, Boston.

The removal to this building and reorganization of the work has required most of the writer's time during the past months. Very much yet remains to be done, much which cannot be attempted until we have a day of six school hours, which requires a school lunch. The Domestic Science department has been equipped for cooking classes of twelve, and four classes started, using a coal range and oil burners. The Sewing, previously given only in the grades, has been extended into the High School. A Singer sewing machine has been added, which serves also the grade pupils. Mechanical Drawing is being correlated with the work in Manual Training and the boys' division of General Science. Careful supervision of the typewriting is producing improved results, especially in beginners, preventing them from acquiring careless habits and ill-advised methods. English for third and fourth year Commercial pupils has been separated from the regular classes. As the Commercial course is the only distinctly vocational work offered, every attempt is made to keep the work practical; at the same time the course should be made as broad and thorough as possible. Many believe that Stenotypy will very largely supersede stenography in the near future, and if its present rapid extension continues, it will be advisable to have at least one stenotype machine. Adding machines are so universal in business offices that our pupils should have the advantage of such training. Three of our more advanced pupils are daily employed in outside offices in addition to their regular school course. Such work well done should, to a limited extent, be allowed credit toward a diploma. No feature of the new building is more appreciated alike by teachers and pupils than the provision for the separation of study pupils from recitation rooms. This presents an opportunity for much more careful supervision of study, a feature which will be strongly emphasized in the future.

(2) Organization of the Seventh and Eighth Grades.

In his annual report of 1914 the Commissioner of Education wrote on this subject as follows:

“At present two methods of organizing the teaching force in the

upper grades are practiced. The first is known as the 'class teacher plan,' where one teacher gives instruction in all the subjects offered to the pupils of a given grade. The second plan is known as the 'departmental plan,' where one teacher instructs one or more grades of pupils in a few subjects. At present, when manual training and household arts find a place in the school program, these subjects are usually taught by departmental teachers. In other places almost all the work in the upper grades is organized on the departmental plan. School administrators and supervisors still differ as to the relative merits of the two plans. It is generally agreed that the departmental plan is more favorable to scholarship and teaching efficiency. On the other hand, some authorities hold that its effect is to impair school discipline and to weaken the influence of the teacher with the individual pupil. In any intermediate school a part of the teaching, at least, should be on the departmental basis. The opportunity for beginning a foreign language, for example, should be offered to those pupils who at the age of twelve desire it. Such a subject can be taught effectively only by a special teacher. Manual training and household arts are also departmental subjects.

"Any program of instruction should provide as far as possible for some differentiation of courses to meet the needs of individual pupils, as these needs vary according to aptitudes and purposes for the future. The common elements in such a program would consist of English literature, English language, geography, history and hygiene. The differential elements would consist of arithmetic, practical arts for boys, household arts for girls, drawing, algebra, foreign language and elementary science. Instruction in language is continued in order that each pupil may gain added facility in the use of English, either written or spoken, as a tool. His reading should be wider in scope than in the lower grades, and in selecting reading matter he can profit greatly by the guidance and direction of his teacher. Geography and history minister to the intellectual curiosity so strong in normal children at this age.

"In manual training as an elective subject, the aim should be to give the pupils a great variety of projects, each involving some definite constructive work. Some choice should be offered, so that each pupil may select projects in which he is interested or in which he is most likely to succeed. Articles useful in the home or in the school should be made. While each pupil should be taught to depend upon himself and to use his own initiative, he requires close supervision.

"In practical arts for girls, while a wide range of work should

be offered so as to meet the needs of individual pupils, the controlling purpose should be to make articles or to prepare dishes for actual use. Girls at this age are well able to make articles of dress and even complete garments. They can learn to use patterns, cut the cloth, assemble the parts of the dress, and do the necessary sewing."

With the many problems of readjustment at the opening of the year, only slight changes were attempted. No changes were made in subject matter of these grades, but a portion of the work has been put upon a departmental basis. The child has from the beginning of his school life instruction from special teachers in music, drawing and penmanship. In the sixth grade he begins additional work under special teachers, the boys in manual training, the girls in sewing. The work under special instruction is continued until the high school is reached, after which it becomes elective. Arithmetic for the two divisions of the seventh grade is now taught by the same teacher, the other seventh grade teacher taking history and geography. In the eighth grade a similar arrangement has been made for arithmetic and language. Thus about one-half the work of these two grades is on a departmental basis. This should do much to make the transition to full departmental work in the High School less abrupt and confusing to the pupil. It should also lessen the failures of the first year in High School. This gradual change will make easy the extension of a program closely correlated in subject matter and departmental work with the four years of High School. Wherever the system has been developed it has done much to hold in school many who would otherwise drop out at the end of the grammar school period.

The complete program for the upper six grades requires a full six-hour school day. Many of our pupils leave home as early as 7.30 a. m., and a session extending from 8.30 until 3.00 or 3.30 p. m. cannot be considered without provision for a school lunch. It would be impossible at present for those taking cooking to attempt to provide a lunch for two hundred and fifty. In many schools a substantial lunch at small cost is provided by an outside party who assumes all financial responsibility. Until some arrangement is made, I would strongly urge parents to see that pupils take from home a nourishing lunch.

(3) Centralization of All Pupils of the First Six Grades in the Pollard and Talbot Schools and Reorganization on Six-Grade Basis.

At the close of the school year in June a careful canvass of the situation in East Billerica showed only eleven pupils of Grades I. to

VI., who would attend the Richardson School the following year. After the Committee and Superintendent had interviewed the parents, it seemed advisable to close the school temporarily. The maintenance of the school would involve an expenditure of \$600, and superior advantages of grading, instruction, especially from special teachers, and improved sanitary conditions, could be secured by transferring the pupils to the Pollard School. By this arrangement pupils of the first six grades throughout the Town are now housed in the Pollard and Talbot Schools. Miss Grace L. Knowles was made principal of the Pollard School, under the reorganization, with six grades, and Mr. B. F. Harding continued as principal of the Talbot School. As the first grade of the Talbot School in September exceeded sixty pupils, the State law required the employment of an additional teacher. This is the first time in the history of Billerica schools that a grade has been too large to be handled as a unit.

Both schools are now well housed in well-ventilated, well-lighted rooms. All the rooms at the Pollard School are occupied, and all but one at the Talbot. A course of study for the first six grades is in preparation by the State Board of Education, and the course in the Billerica schools will be arranged to embody the main features. To secure greater uniformity, the programs of all teachers this year were arranged to approximately the time schedule issued by the State Board and printed on next page.

Much attention has been given to the supervision of play. Teachers have been regularly assigned to various groups and are on the playgrounds during periods of intermission. The results have been helpful in directing the play of all children, particularly the very young and timid, and in avoidance of roughness and accidents.

Teachers.

During 1916 the following teachers have withdrawn from service: Miss Mary H. Ort, Miss S. Madeline Earle, Mrs. F. Marion Bailey, to be married; Miss Edith C. Burchell, Miss Annette B. MacKnight, Miss Mabelle E. Steele to accept positions paying more money; Mr. L. A. Sheafe, Miss Amy Corkum, supervisor of sewing, and Mr. Philip Perry, supervisor of manual training.

In filling the vacancies of the supervisors the attempt was made to secure teachers who, instead of giving two days per week, were qualified to teach other subjects and give full time. This secures better coordination in work as well as a financial saving.

Miss Vivian Burroughs, a graduate of Wellesley and Simmons,

TIME DISTRIBUTION TABLE OF STATE BOARD OF EDUCATION

(Based on pupil's time.)

SUBJECTS	MINUTES PER WEEK						PER CENT. PER WEEK					
	I.	II.	III.	IV.	V.	VI.	I.	II.	III.	IV.	V.	VI.
Opening Exercises	60	60	60	60	60	60	5.2	4.9	4.6	4.2	3.9	3.9
English Expression:—												
1. Reading	240	240	175	175	100	100	20.7	19.7	13.5	12.2	6.5	6.5
2. Spelling	—	50	50	50	50	50	—	4.0	3.7	3.4	3.3	3.3
3. Language (oral and written composition)	150	150	175	175	150	150	13.0	12.0	13.5	12.2	9.6	9.6
Penmanship	75	75	100	100	100	100	6.5	6.0	7.6	6.9	6.5	6.5
English Literature	60 ¹	60 ¹	75	75	150	150	5.2	4.7	5.8	6.2	9.6	9.6
Arithmetic	50	75	100	125	150	150	4.3	6.0	7.6	8.6	9.6	9.6
History and Civics	—	—	50	75	150	150	—	—	3.7	5.2	9.6	9.6
Nature Study	60	60	60	60	60	60	5.2	4.7	4.6	4.2	3.9	3.9
Music	75	75	75	75	75	75	6.5	6.0	5.8	5.2	4.8	4.8
Geography	25	25	25	100	150	150	2.2	2.0	1.8	6.9	9.6	9.6
Hand Work and Drawing	150	150	150	150	150	150	13.0	12.0	11.6	10.3	9.6	9.6
Physiology and Hygiene	60	60	60	60	60	60	5.2	6.0	4.6	4.2	3.9	3.9
Recess, Plays and Games	150	150	150	150	150	150	13.0	12.0	11.6	10.3	9.6	9.6
Totals	1,155	1,230	1,305	1,430	1,555	1,555	100.0	100.0	100.0	100.0	100.0	100.0

English Literature and Reading may be combined in the first two grades.

was hired to supervise sewing in the grades and have charge of the Domestic Science and teach English in the High School.

Mr. Elmo D. MacCurdy, a graduate of Tufts College with successful teaching experience, was engaged to teach manual training and mathematics.

Miss Marion E. Freeman came from four years' experience in Maine to teach French and English. Miss Marie L. Hentz was added to the High School staff to assist in commercial work.

Miss Sadie I. Burgess, a graduate of the Montclair, N. J., Normal School, who had taught three years in Bayonne, N. J., was engaged to succeed Miss Ort in the first grade, Talbot School.

In September Miss Eleanor E. Nickerson was assigned to one division of the first grade of this school.

In a corps of twenty-seven teachers, nine changes in one year, one-third of the entire force, are too many for the best interests of the schools. The teachers are the most important single factor in the entire system. Finely-constructed buildings, superior equipment, carefully planned courses of study, all go for naught unless the teaching force can be maintained at a high standard of efficiency. Able teachers who have received one or two years' training in our schools are every year taken from us by towns paying larger salaries. This has been particularly true in the case of the High School, where the staff changes on the average every two years.

To meet this situation a salary schedule is being worked out, and while it cannot remove the temptation which larger salaries elsewhere make, it will somewhat lessen the number of places which can prey upon us, and will definitely place before the teacher what the future holds for her.

Repairs.

The School Committee, believing economy demands careful upkeep of the school plant, has been working upon a program extending through a series of years to put buildings and grounds in good condition and keep them so. More stringent requirements are made each year by the State Police and all the buildings now meet the requirements of law, viz.: Entire basement ceiling covered with hard plaster on metal laths; boiler room enclosed with fireproof construction and fireproof doors; soffits and sides of stairs leading from first story to basement protected with hard plaster on metal laths; approved hardware and exit bolts on all egress doors; hand rails on both sides of stairways; fire extinguishers on every floor. The sanitary arrangements at the Talbot School have been put into a thoroughly satisfactory condition.

Mr. J. B. Robinson was appointed janitor of the new High School building, and the three buildings are now in the care of experienced men who are well paid and have pride in their work.

Transportation.

In the report of last year attention was called to the problem of transportation. At present transportation is given to more than three hundred, and yet many children who come long distances are unprovided for.

With the increasing number of motor-driven vehicles in our streets, the dangers, especially to the younger children, are grave. Many parents are demanding transportation on this account.

On the other hand, the expense is heavy and rapidly increasing. The school enrollment has increased from 542 in Oct., 1913, to 719 in Oct., 1916—33%. The increased rate of fares of the Bay State Street Railway Co. raises the cost per pupil from \$9 to \$11 a year. The transfer of the seventh and eighth grades of the Talbot School to the High School building adds an item of \$800 per year. At the next Annual Meeting the Town should express its wish in this matter and make adequate financial provision.

The Bay State Street Railway Co. has been considerate in granting three school cars, one serving the Pinehurst section at 8.30 a. m., another the North Billerica pupils attending the Howe School at 2.00 o'clock, and a third at 2.45 o'clock for East Billerica pupils. The cars are, however, of the old type, small, and in poor repair.

The West Billerica pupils are this year very satisfactorily served by the Allen Auto Co. at less cost than heretofore.

In Feb., 1909, the 1900 Club, by arrangement with the Central Savings Bank of Lowell, instituted a system of savings in the schools; in the Talbot School this has been continued during the eight years with well-sustained interest. The sum of \$1,118.42 which has been placed to the credit of the children is secondary to the habit of thrift and the realization of the value of small savings which will follow many pupils through life. Much credit is due the teachers, who give freely of their time and strength to carry on this work.

The Faulkner Kindergarten, which is maintained free of expense, is open to all children of the Town. This school has been under the able management of Miss Annie M. Griffin and Miss Helen Webster for the last seven years. The excellence which their devotion and work

have created merits a confidence and appreciation which should express itself in a larger attendance.

Acknowledgment is gratefully made to friends of the school for the following gifts: To Mr. and Mrs. Frederic S. Clark for three pictures: An oil painting, "The Sentinel," by Thomas Hill, "The Colosseum," "The Roman Forum." To Dr. Maurice A. Buck for a set of 31 volumes of "Warner's Library of the World's Best Literature." To Mrs. Lillian V. Kohlrausch for an oil painting, "Spring." To Mrs. J. F. Bruce for a set of 10 volumes, "Modern Engineering Practice." To Miss Stella M. Osgood for Gibbon's "Roman Empire." To Miss Gladys Scott for "Library of Universal Knowledge."

A well-equipped reference library is a necessity for modern high school work, and friends of the school can render it no greater service than by gifts of books of this nature.

In concluding this report, permit me at the close of a somewhat strenuous and exacting year to express my appreciation and thanks for the entire harmony and cordial co-operation with which you have supported me, for the loyalty and consecration of the teachers, and for the generous support of the schools by the citizens.

Respectfully submitted,

EUGENE C. VINING.

Jan. 1, 1917.

REPORT OF SUPERVISOR OF MUSIC

Mr. Eugene C. Vining,
Superintendent of Schools,
Billerica, Mass.

Dear Sir:—My annual report for the Music Department of the Billerica Schools is as follows:

When the schools closed last June I was much pleased with the result of our year's work. There were many ways in which it could improve, of course, there always are.

I think the greatest gain I saw last year was in the part work, especially was this noticeable in the way the boys of the upper grades of the Pollard School sustained their part. While I have been working to improve the part work in the upper grades, the tone, the all-important part of our voice training, we are working for always.

Teachers are often satisfied if they get plenty of sound, they do not give enough attention to the quality of tone. Of course in encouraging children to sing who have never been in the habit of singing, great tact must be used to direct the tone, without discouraging the child in the attempt he is making. I am glad to say I have able assistance in our grade teachers, who are always ready to act upon any suggestion that may be made.

Singing has a many-sided value. It is physical training, intellectual training and emotional training. No other subject has such a general value. The end of school music is not merely to make singers, but rather to use singing as a means to secure a kind of mental training which cannot be derived from any other study. Herbert Spencer says "Music must take rank as the highest of fine arts—as the one which more than another ministers to human welfare." So I say, we cannot be too careful in the way the subject is presented to the children.

Last year the music in the Howe School made quite a gain over our first year. It is unfortunate that up to the present time we have been unable to continue the good work begun, owing to the hall and the piano not being ready. Let us hope for better success in the year to come.

I thank the Superintendent for his hearty co-operation, and the teachers for their help in carrying out the work.

Respectfully submitted,

MARY B. RAYNES,

Supervisor of Music.

REPORT OF SUPERVISOR OF PENMANSHIP

Mr. E. C. Vining,
Superintendent of Schools,
Billerica.

In my report last year I gave an outline of my plan for the year's work.

If, in the way of certificates and other awards, we fell short of what I had hoped, it was not for lack of enthusiasm or co-operation on the part of the teachers.

The standard was high, and, while some of the pupils did not quite reach it, the progress made by many was really remarkable. On the whole, I felt well satisfied with what had been accomplished.

The point I am emphasizing this year is this: We teach arm movement writing in the schools. Then it must be arm movement in **all** written work. I feel that my time and the time of the pupils in their daily writing period is practically wasted if fifteen minutes later they write a language lesson with finger motion.

Therefore, we insist that arm movement must be used in all written work above the third grade before a pupil's papers be sent to the Palmer office for approval and awards. This will firmly establish the right habit and secure a higher degree of excellence for all.

Many of the pupils use arm motion entirely. It is with pupils in the higher grades and High School who have been taught or allowed to do finger writing that the greatest difficulty comes. The transition stage usually means large, awkward-looking letters, and the pupils think the papers are untidy looking and will not be accepted by the teachers. Perhaps the parents think they are not improving, but rather the reverse.

We are glad to see those papers, for we see the right motion there, and are sure of easy, legible writing in a very short time.

Teachers and pupils in grades and High School alike are trying to overcome the finger habit, and I am sure the results in June will repay them for their efforts.

To me it is very gratifying to note the interest with which the teachers are watching for the slightest improvement on the part of each pupil.

I would like to express at this time my appreciation and thanks to them and to you for the hearty support you have given me.

MINNIE E. REYNOLDS,

Jan. 2, 1917.

Supervisor of Penmanship.

REPORT OF THE SUPERVISOR OF DRAWING

Mr. Eugene C. Vining,
Superintendent of Schools,
Billerica, Mass.

I herewith present to you my report of Drawing:

The general lines of work are Nature drawing, color, pictorial drawing, structural drawing and decorated drawing.

The chief aims are to teach the appreciation of beauty, the ability to draw what the pupil sees, and to create individual things—to stimulate the imagination, to teach observation, representation and the methods of application of design.

The lead pencil and crayon are valuable mediums for the work. Much drill is given in lead pencil drawing. The pencil is used wherever accurate observation and careful drawing of detail of form and structure are essential. Drawing in pencil outline is the best way of concentrating attention upon the characteristic growth, structure and foreshortening of leaves and flowers.

Colored crayon is used for object drawings and original illustrations in the lower grades; for training in color appreciation, flower drawings, for birds, animals, trees and landscapes.

Water color is used for color appreciation, for decorative drawings and designs in the High School.

Free brush drawing in ink is used for training the power of rapid and direct expression of form. By the elimination of color this method helps the pupil to concentrate his attention upon the essentials of form and proportions.

Freehand paper cutting helps the children in the lower grades to see the object in mass or the shape as a whole,—and is also manual discipline. Freehand cutting of units from paper is done for work in original design and for experience in arranging and spacing the units in the design.

In the primary grades only general characteristics of form and color are emphasized. In the middle grades form and broad differences in color values are emphasized. In the upper grades we emphasize details of structure, texture and more subtle differences in color.

When it is possible the drawing is correlated with the daily lessons in reading, history and geography. In this way the pupil gains a better knowledge of some historical fact or of some point in geography or a reading lesson, and is learning to draw at the same time. Sketches are made illustrating the Indians—their clothing, food supplies, etc. Illustrations are made of the Eskimo homes or of Holland or Japan. Sketches are made illustrating the sources of clothing, wool, flax, cotton, etc.; of food products, sugar, corn, wheat, etc.

I am pleased with the work and enthusiasm shown by both the teachers and pupils.

In closing, I wish to thank all who are associated with me in my work for the co-operation received.

Sincerely yours,

GERTRUDE J. NASON.

REPORT OF ATTENDANCE OFFICERS

House calls or investigations.....	32
Truants	15
Kept at home by parents because of sickness.....	26
Kept at home by parents, unsatisfactory excuses.....	18
Kept at home by parents, satisfactory excuses.....	15
Unsuitable clothing	7
Taken from streets and put in school.....	6
Working under age or without certificate.....	2
Parents or pupils warned.....	7
Cases taken to Court.....	0

REPORT OF MEDICAL INSPECTOR

To the School Committee of Billerica:

In making my report for the past year I would say that several examinations of the school children have been made by me, and especially during the epidemic of Diphtheria and Infantile Paralysis, school nurse, or a combination of both. The latter would be preferable to me.

This means daily medical inspection or the employment of a school nurse, or a combination of both. The latter would be preferable to me.

In asking for a school nurse it will probably be necessary to ask for an appropriation of about \$850.00. If it is possible to combine with another town, as has been advised and I have looked into, the cost may be reduced. At the present time I should advise against making any change, unless such union may be made.

As far as the condition of nose and throat is concerned, during the past year there has been a perceptible change for the better, the parents having taken advantage of the advice of the School Physician.

I do certainly wish and hope for a trained school nurse, but I feel that with the increase of school children and school responsibilities that it will necessitate the expenditure of at least \$1,000.00 to carry out the desired effect.

I wish to thank the janitors, teachers and superintendent for their hearty co-operation and help in carrying out my work.

Respectfully submitted,

MAURICE A. BUCK, M. D.

CORPS OF TEACHERS, JANUARY 1, 1917

Howe High School

Name	Elected	Where Educated	Subjects
Eugene C. Vining, Principal	1901	Bowdoin College A. B.; Tufts M. A.	Mathematics
Stella M. Osgood	1915	Wellesley A. B.; Boston Univer. A. M.	Latin and History
Blanche Jones	1915	Burdette College	Commercial Subjects
Mary J. Edmonds	1914	Boston University A. B.	German and Science
Elmo D. McCurdy	1916	Tufts College B. S.	Manual Training and Mathematics
Marion E. Freeman	1916	Colby College	English and French
Vivian Burroughs	1916	Wellesley A. B.; Simmons B. S.	Domestic Arts and English
Marie L. Hentz	1916	Simmons College	Stenography and Typewriting
Elizabeth H. Stone	1912	Bates College, 1 year	Senior Intermediate
Charlotte Paulsen	1917	Boston University A. B.	Senior Intermediate
Minnie S. Dyson	1910	Lowell Normal	Junior Intermediate
Anna J. Masterson	1915	Lowell Normal	Junior Intermediate

Pollard School

Thurza M. McElman	1912	Howe School	Grade VI.
Helen S. Faneuf	1917	Lowell Normal	Grade V.
Grace L. Knowles, Principal	1899	Howe School	Grade IV.
Katrina H. Bryant	1914	Farmington (Me.) Normal	Grade III.
Martha F. Page	1895	Salem Normal	Grade II.
Hazel L. Wilcox	1915	Wheelock Kindergarten	Grade I.

CORPS OF TEACHERS, JANUARY 1, 1917—(Continued)

Talbot School

Name	Elected	Where Educated	Subjects
Beniah F. Harding, Principal	1898	Maine Central Institute	Grade VI.
Alice W. Higgins	1913	Lowell Normal	Grade V.
Kathleen M. O'Hearn	1915	Lowell Normal	Grade IV.
Rita M. Collins	1915	Lowell Normal	Grade III.
Kathryne G. Dewire	1912	Lowell Normal	Grade II.
Sadie I. Burgess	1916	Montclair (N. J.) Normal	Grade I.
Eleanor E. Nickerson	1916	Lowell Normal	Grade I.
Supervisors			
J. Gertrude Nason	1909	Boston Normal Art	Drawing
Mary B. Raynes	1912		Music
Minnie E. Reynolds	1915	Cedar Rapids (Mich.) Business College	

REPORT OF HOWE HIGH SCHOOL BUILDING COMMITTEE

Billerica, Mass., Jan. 22, 1917.

To the Citizens of Billerica:

At the Annual Meeting of the Town, February, 1916, this Committee submitted a report of progress, for the new Howe High School Building was not then completed. This year the Committee begs leave to submit the following report upon the completion of the building:

The financial statement of the Town Treasurer's account, appearing on another page of the Town Report, shows the receipts and expenditures for the year ending December 31, 1916. As all payments and bills could not be approved by this date, the following statement is presented by the Committee to show the final condition of the account upon completion of the building:

Receipts

Appropriation	\$90,000.00
Donation	40.00
Returned	1.16
Sale of Buildings.....	45.00
Sale of Hay.....	26.00
School Committee Equipment ordered.....	12.20
	————— \$90,124.36

Expenditures

General Contract	\$61,146.91
Heating and Ventilating Contract.....	10,672.40
Electrical Contract	2,772.20
Architects' Commission	4,457.10
Engineer's Commission	817.09
Site	6,000.00
Grading	1,279.81
Surveying and Stone Bounds.....	94.89

Amount carried forward.....	\$87,240.40
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Amount brought forward.....	\$87,240.40	
Excavating Test Pits.....	8.00	
Removing Trees	7.53	
Concrete Inspection	25.00	
Carting Ashes	9.00	
Water Service and Meter.....	217.80	
Equipment	2,425.03	
Legal Services	72.15	
Electric Lamps and Fuses.....	21.90	
Stationery	4.40	
Advertising Site Hearing.....	7.50	
Dedication—Programs and Invitations.....	12.75	
Dedication—Orchestra	22.68	
Miscellaneous	2.70	
		<hr/>
Total	\$90,076.84	
Unexpended Balance	47.52	
		<hr/>
		\$90,124.36

Although the various events that have occurred in the erection of this building are fresh in the minds of the townspeople, it may be well to chronicle these herewith for future reference.

The work on the building was commenced in August, 1915, and was carried on to such a state that the corner-stone could be laid on November 22nd of the same year. The program of the exercises on that day was as follows:

Invocation by Rev. William L. Walsh, of the First Parish; singing by pupils of the upper grades under the direction of Miss Mary Raynes; depositing of the following documents in a copper box by a pupil representing each section of the Town—Copy of the Lowell Courier-Citizen for November 19, 1915, by James Sullivan, of North Billerica; copy of the address of George H. Whitman at the dedication of the Old Howe School Building in 1852, by LeRoy Valyou, of South Billerica; a copy of the Records of the Special Town Meeting, February 13, 1915, and of the Annual Town Meeting, March 27, 1915, as far as they relate to the New High School Building, by Isabelle Chandler, of East Billerica; copy of the deed of the land from Frederick Fischer to the Town of Billerica, and the copy of the release from Mr. and Mrs. W. D. Hubbard to the Town of Billerica, by Alice Murphy, of West Billerica; two photographs of the present Howe School Building taken by Mrs. Peter B. Kirschner, deposited in the box by Marion Biggerstaff, of South Billerica; a copy of the

Records of the School Committee in regard to the necessity of building the New High School building, deposited by Charles Baisley, Billerica Centre. The copper box was then sealed by Thomas A. Ellis, of North Billerica, and placed in the corner-stone, which was then lowered into position and cemented in place, the following townspeople taking part in this ceremony:—Mrs. Caroline E. Richardson, whose term of service in the Billerica schools dates farthest back, Frederick S. Clark, President of the Board of Trustees of the Howe School; Herbert B. Hosmer, Secretary of the School Committee, and Charles H. Eames, Chairman of the Building Committee. The pupils then marched around, each one laying a brick on the front wall near the corner-stone. Following this the assembled school children sang “America.” The benediction was given by Rev. David J. Murphy, of St. Andrew’s Church, North Billerica.

The opening of the schools in this and other towns and cities of the State was postponed for 1916 on account of an epidemic of infantile paralysis, so that for this reason the building was not required as early as it ordinarily would have been. On October 16th the building was opened to classes, although the contractors had not entirely completed their work. About a month later a formal acceptance was made by the Building Committee in behalf of the Town, subject to certain minor conditions which have been fulfilled, and on the afternoon of December 8, 1916, the building was dedicated and the following program was presented:

Overture,	“Morning, Noon and Night”	Suppe
	Orchestra	

Invocation,	Rev. J. Harold Dale
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Address, “Some Opportunities Afforded by the Old Howe School”
J. Nelson Parker,
President of the Trustees of the Howe School

“Introduction and Rondo,” Duo for Clarinet and Flute	Barnard
Messrs. Bagley and Bissonnette	

Address,	“Some Opportunities Afforded by the New Howe High School”
	Clarence D. Kingsley
	Agent for High Schools—State Board of Education

Serenades for Flute and 'Cello,	Titl
Messrs. Bissonnette and Ippolito	

Presentation of Keys,

Charles H. Eames
Chairman of Building Committee

Prescott L. Pasho
Clerk of Board of Selectmen

Dr. Maurice A. Buck
Chairman of School Committee

Address, "Education for Citizenship"
Hon. Payson Smith, LL. D.
Commissioner of Education—Commonwealth of Massachusetts

Selection from the Musical Comedy "Katinka"	Frim
Orchestra	

"America"

Benediction,

Rev. W. H. Doggett

Inspection of the Building

Hibbard's Orchestra of Lowell
E. J. Borges, Director

The building contains the following rooms:

On the first floor, beside the assembly hall seating 250 on the floor, there are four rooms for the 7th and 8th grades, each room seating 42 pupils; two recitation rooms, seating 30 each, for the upper grades; a teachers' room, supply room, beside the Principal's office and reception room.

On the second floor there is a study hall seating 75, two class rooms seating 42 each, commercial room for 30 desks, typewriting room, chemistry and physics laboratory, science lecture room and library.

In the basement provision is made for manual training and domestic science. The latter includes rooms for both cooking and sewing. A recreation room, with lunch room connected, is also provided. The rooms for the boys and girls each have equipment for

steel lockers, and provision is also made for shower baths, when later required.

The building is heated by both direct and indirect means, and ventilation is assured by an electrically operated fan. The boiler capacity is such that one boiler may be now kept in reserve, and with future extension to the building this part of the heating plant will not require additions, except for extensive enlargement of the building.

The present capacity of the building should meet the normal growth for the school population of the Town for a number of years to come, and it is earnestly hoped that the building will also meet the progressive demands of educational systems in the future without serious alterations in its internal arrangement.

With the completion of this building the Committee asks that its report be accepted and that it be discharged.

Respectfully submitted,

CHARLES H. EAMES, Chairman.

THOMAS TALBOT CLARK, Secretary.

MAURICE A. BUCK, M. D.

NATHANIEL R. JONES.

BURTON O. SANFORD.

FINANCIAL STATEMENT

SCHOOL DEPARTMENT—TOWN OF BILLERICA

Assets

Balance	\$ 656.40	
Appropriation	31,000.00	
Appropriated from Industrial School balance..	1,000.00	
Dog tax	382.32	
Sale of tickets, telephone tolls, damages, etc...	63.71	
Tuition	25.00	
		<hr/>
		\$33,127.43
Expenditures		30,603.29
		<hr/>
Unexpended balance		\$ 2,524.14

EXPENSES OF INSTRUCTION

Salaries

E. C. Vining, Supt.....	\$ 460.00	
E. C. Vining, High School Principal.....	1,380.00	
Elementary Principals	1,950.00	
High School Assistants.....	3,675.00	
Elementary Teachers	7,798.50	
Supervisors	1,687.20	
		<hr/>
		\$16,950.70

Enforcement of Law

Middlesex County Training School.....	\$17.57	
T. F. Lyons (printing and postage).....	10.62	
Census	50.00	
Attendance Officers	50.00	
Office expenses	14.80	
		<hr/>
		\$142.99

Text Books

American Book Co.....	\$ 36.87	
Allyn & Bacon.....	58.30	
		<hr/>
Amount carried forward.....	\$95.17	

Amount brought forwrd.....	\$95.17	
F. J. Barnard (rebinding).....	14.81	
Edward E. Babb.....	217.81	
Gregg Publishing Co.....	5.53	
D. C. Heath Co.....	14.39	
Houghton Mifflin Co.....	16.23	
Oliver Ditson Co.....	8.77	
Scott Foresman	3.36	
Charles E. Merrill Co.....	51.30	
Little Brown Co.....	1.53	
MacMillan Co.	26.17	
A. N. Palmer Co.....	17.80	
B. H. Sanborn Co.....	16.29	
Silver Burdett Co.....	17.43	
Ginn & Co.....	100.78	
	<hr/>	\$607.37

Supplies

Kenney Bros. & Wolkins.....	\$ 64.75	
Oliver Typewriter Co.....	3.75	
Dowling Supply Co.....	15.30	
Arthur W. Filt, alcohol lamps.....	5.00	
Edward E. Babb.....	299.04	
E. A. King.....	35.00	
Library Bureau	9.11	
Rumford Supply Co.....	1.06	
J. L. Hammett.....	19.44	
Milton Bradley Co.....	110.64	
	<hr/>	\$563.09

Manual Training Supplies

George H. Carter.....	\$ 3.20	
John A. Richardson.....	44.19	
Palmer Parker Co.....	24.26	
J. B. Hunter.....	37.72	
	<hr/>	\$109.37

Domestic Science Supplies

Bon Marche Co.....	\$ 1.80	
Gracie & Smith.....	10.03	
	<hr/>	\$11.83

Total for supplies.....	<hr/>	\$683.29
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OPERATING OF SCHOOL PLANT

Janitors

Frank S. Bartlett.....	\$769.50	
William S. Taylor.....	627.00	
J. B. Robinson.....	283.32	
Henry D. Livingston.....	120.00	
A. K. Letteney.....	53.00	
Chester B. Ketchen.....	25.00	
Harry Jennings	5.88	
Fred Letteney	2.80	
		<hr/>
		\$1,886.50

Fuel

F. G. Morey & Co.....	\$1,350.15	
D. J. Dewire.....	1,056.27	
Arthur S. Cook.....	8.63	
J. F. Finnegan.....	12.00	
Isaac Hopkinson	8.50	
		<hr/>
		\$2,435.55

Miscellaneous

Norman C. Hayner.....	\$173.65	
Bartlett & Dow.....	1.35	
R. T. Perry.....	.50	
H. I. Dalman.....	14.75	
Frank Harrington (removing ashes).....	40.00	
Ernest Bartlett (removing ashes).....	16.50	
P. Sutherland	76.14	
West Disinfecting Co.....	15.00	
E. A. King.....	96.28	
W. T. S. Bartlett.....	5.00	
C. B. Coburn.....	15.90	
John E. Bull.....	81.25	
John S. Cheever Co.....	54.17	
Talbot Dyewood & Chemical Co.....	1.75	
Talbot Mills	2.25	
Lowell Electric Light Co.....	104.91	
New England T. & T. Co.....	75.69	
John S. Welsh.....	6.75	
E. A. Page.....	4.00	
		<hr/>
Amount carried forward.....	\$785.84	

Amount brought forward.....	\$785.84	
Water Dept.	18.22	
H. G. Watts.....	.50	
B. W. Kearney.....	14.50	
Simmons Hardware Co.....	3.08	
	<hr/>	\$822.14

Maintenance

H. C. McCosker.....	\$1.50	
Lull & Hartford.....	1.75	
J. A. Fillion.....	3.00	
L. A. Sheafe.....	3.80	
B. W. Kearney.....	5.00	
Ervin E. Smith Co.....	7.50	
Orient Spray Co.....	2.00	
I. N. Millbury.....	7.50	
	<hr/>	\$32.05

REPAIRS

Pollard School

John F. Mullen.....	\$ 19.00	
Oscar Fellows	55.00	
John W. Duff, Inc.....	674.00	
Clark & Mills Electric Co.....	50.00	
E. A. King.....	212.97	
M. J. Dutton.....	34.55	
Thomas Lydon	17.25	
	<hr/>	\$1,062.77

Talbot School

Williams & Ritchie.....	\$113.77	
John E. Hughes.....	516.10	
Austin Callery	180.00	
J. A. Sanson.....	18.40	
John Lannon	2.95	
George A. Hill.....	45.00	
John Desmond	165.00	
	<hr/>	\$1,041.22

EXPRESS AND FREIGHT

American Express	\$19.88	
A. E. Wheeler.....	11.00	
Boston & Maine R. R.....	7.07	
McSweeney's Express	19.36	
C. H. Morley.....	6.00	
	<hr/>	\$63.31

AUXILIARY AGENCIES**Health**

Marjory E. Buck.....	\$39.00	
Dr. Forhan	5.00	
Fred Wain	2.00	
Billerica Printing Co.....	2.75	
	<hr/>	\$48.75

Transportation

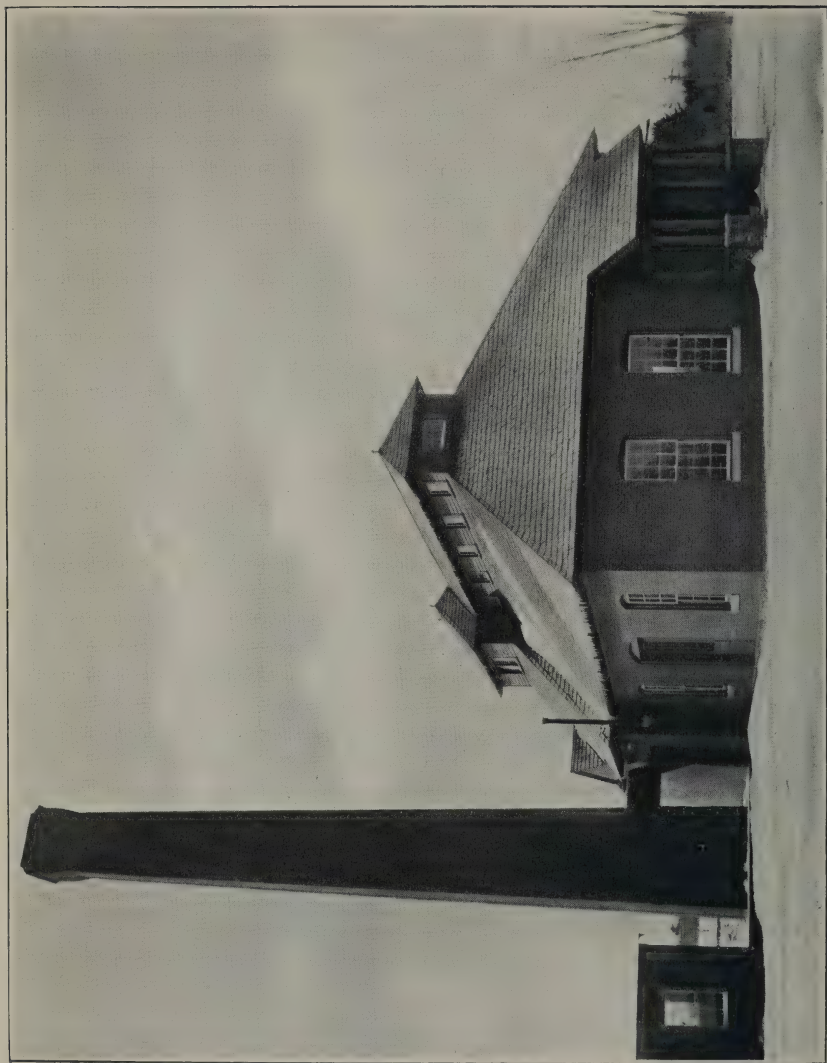
Bay State Street R. R.....	\$1,894.40	
Middlesex & Boston.....	150.00	
Charles E. Nuttall.....	400.00	
Allen Auto Co.....	197.00	
	<hr/>	\$2,641.40

General Miscellaneous Expenses

George P. Greenwood, rent.....	\$ 75.00	
William B. Wheeler, labor.....	1.00	
Rev. George L. Perrin, address.....	11.00	
M. Steinert & Sons, tuning.....	2.50	
Billerica Printing Co.....	26.25	
Hibbard's Orchestra	13.60	
Wright & Potter, account book.....	1.56	
Trustees Howe School, rent.....	500.00	
F. W. Martin Co., diplomas.....	14.45	
H. C. Kittredge, paper fasteners.....	2.00	
Courier-Citizen Co., printing.....	6.63	
	<hr/>	\$653.99

New Equipment

E. A. King, typewriting tables.....	\$ 36.00	
Robertson Co., shades and mats.....	160.46	
A. G. Pollard, supplies.....	45.25	
Singer Sewing Machine Co.....	23.04	
Wear Proof Mat. Co.....	10.80	
Royal Typewriter Co.....	100.00	
L. E. Knott Co., laboratory and domestic science equipment	489.30	
Kenney Bros. & Wolkins, desks.....	64.84	
John E. Farmer, trucking.....	18.00	
Rice & Co., grill.....	28.20	
Hallett & Davis, piano.....	475.00	
Jordan & Marsh, domestic science equipment..	38.97	
Houghton & Dutton, domestic science equipment	16.15	
Thomas A. Ellis.....	24.25	
	<hr/>	\$1,530.26



BILLERICA PUMPING STATION

Eighteenth Annual Report

OF THE

Water Commissioners

OF THE

Town of Billerica, Mass.

For the Year Ending December 31, 1916

Eighteenth Annual Report of Water Commissioners

DECEMBER 31, 1916

STOCK ON HAND JAN. 1, 1917

Maintenance

20 Tons Coal.....	\$140.00
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Construction

2½ Bales Yarn.....	\$	12.50
72 ft. 6 in. C. I. Pipe		
516 ft. 8 in. C. I. Pipe		
132 ft. 10 in. C. I. Pipe		
252 ft. 12 in. C. I. Pipe.....		694.40
10 6 by 6 T.....		42.80
5 6 by ⅛ bend.....		13.04
5 6 in. 3 bell T.....		16.00
5 6 in. Gates.....		55.00
1 6 in. Smith sleeve.....		23.10
2 8 in. Gates.....		30.00
2 8 in. Sleeve.....		6.00
3 10 in. Sleeve.....		7.50
4 8 in. 1-16 bend.....		12.00
6 Kennedy Hydrants.....		165.90
13 8 by 6 T.....		117.00
4 12 by 6 T.....		60.00
8 10 by 6 T.....		104.00
1 10 to 8 reducer.....		3.56
		\$1,362.80

18 $\frac{3}{4}$ in. Corporation.....	\$ 37.44	
3 2 by 2 by 2 Br. T.....	6.00	
65 Gate boxes.....	65.00	
2 2 in. Gate box.....	12.00	
1,260 ft. C. L. Pipe.....	163.80	
		<hr/>
		\$284.24
16 Meters		170.40
		<hr/>
		\$1,817.44

Expenditures for New Wells

Builders' Iron Foundry, fittings.....	\$ 290.67	
Chas. Callahan, teaming.....	55.20	
Thos. Ellis, pipe and fittings.....	63.43	
B. W. Kearney, teaming.....	25.00	
E. Worthington, services.....	413.96	
American Express	3.13	
Winch Bros., rubber boots.....	51.00	
F. A. Houdelette.....	157.92	
B. & M. R. R., freight.....	21.09	
H. L. Bond Co., fittings.....	59.20	
Allen Auto Co., supplies.....	29.71	
F. W. Webb Co., lead.....	290.11	
Talbot Mills, labor on pump.....	1.09	
C. H. Martindale, labor.....	3.10	
McSweeney's Express	1.25	
H. G. Watts Co.....	3.41	
Perkins-Wolfe	70.70	
J. H. Foster, land.....	500.00	
City of Lowell, gates.....	40.00	
Fred Stowers, surveying.....	25.00	
J. J. Evans, driving wells.....	640.69	
Geo. Stowers, stone bounds.....	9.00	
Labor, weekly pay roll.....	2,003.60	
		<hr/>
		\$4,766.26

Repairs at Pumping Station

John A. Richardson, lumber.....	\$ 57.72	
Nap. De Lafleur, hardware.....	90.10	
Dove Machine Co., new pistons.....	27.45	
		<hr/>
Amount carried forward.....	\$175.27	

Amount brought forward.....	\$175.27	
Thompson Hardware Co., supplies.....	1.78	
T. A. Ellis, coil for heater.....	50.00	
D. T. Sullivan, brick.....	10.00	
H. R. Barker Mfg. Co., supplies.....	2.50	
Blake Knowles Steam Pump Works, repairs on pumps	343.90	
F. Lewis, mason work.....	12.00	
McSweeney's Express	1.75	
Labor, change doors coal shed, etc.....	42.43	
	<hr/>	\$639.63
Balance appropriation unexpended Jan. 1, 1916		\$ 39.45

CONSTRUCTION ACCOUNT

Receipts

Service Piping	\$468.61	
Meters	258.00	
	<hr/>	\$726.61

Expenses

Additions and Extensions:

A. P. Smith Mfg. Co., sleeve and valve.....	\$ 23.10
Allen Auto Co., gasoline.....	10.00
J. J. Evans, laying pipe.....	292.76
B. W. Kearney, teaming.....	20.50
B. W. Kearney, teaming, Salem Road.....	5.00
Hopkinson & Kearney, teaming.....	32.50
C. H. Martindale, repairing tools.....	1.00
Kennedy Valve Co., hydrants.....	120.60
H. L. Bond Co., fittings.....	6.30
Kennedy Valve Co., hydrants.....	425.64
N. D. Lafleur, glass and putty.....	1.45
J. A. Richardson, lumber.....	2.02
B. W. Kearney, teaming.....	5.00
J. A. Ruth, teaming.....	2.00
Perrin & Seamans, dynamite.....	40.75
A. Perkins, lead.....	88.90
Methuen Water Works, 6 in. pape.....	40.66
H. L. Bond Co., fittings.....	12.55

Amount carried forward.....	\$1,130.73
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Amount brought forward.....	\$1,130.73	
C. H. Martindale, repairing tools.....	13.10	
Labor	886.67	
O. DeBerto, blacksmith repairs.....	9.70	
Perrin & Seamans.....	2.55	
B. & M. freight.....	235.31	
Courier-Citizen, advt.	4.00	
Lowell Sun	1.20	
	<hr/>	\$2,283.26

Service Piping:

Bramen & Dow Co., Gorham cocks.....	\$ 10.00	
H. Mueller Mfg. Co., service boxes.....	11.34	
B. & M. R. R., freight.....	2.51	
Sumner & Gerald, cement-lined pipe.....	474.95	
B. & M. R. R., freight.....	11.63	
H. Mueller Mfg. Co., service boxes, etc.....	344.42	
Middlesex Machine Co., repairs.....	2.40	
Allen Auto Co., supplies.....	10.00	
Labor, weekly pay roll.....	574.51	
	<hr/>	\$1,441.76

Meters:

National Meter Co., meters.....	\$595.20
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Construction Account to Jan. 1, 1917

Cost of Works Jan. 1, 1916.....	\$169,846.12	
Expended Jan. 1, 1916, to Jan. 1, 1917.....	\$ 9,086.48	
Materials on hand Jan. 1, 1916.....	1,403.20	
	<hr/>	\$10,489.68
Receipts Jan. 1, 1916, to Jan. 1, 1917.....	\$ 726.61	
Materials on hand Jan. 1, 1917.....	1,817.44	
	<hr/>	\$2,544.05
		\$ 7,945.63
	<hr/>	
Cost of Works Jan. 1, 1917.....	\$177,791.75	

Maintenance Expenses

Sundry:

New Eng. Tel. & Tel. Co.....	\$127.15	
O. P. Greenwood, salary.....	282.63	
	<hr/>	
Amount carried forward.....	\$409.78	

Amount brought forward.....	\$409.78	
Billerica Printing Co.....	21.00	
Courier-Citizen Co., advt.....	4.50	
Greenwood Mfg. Co., tel.....	12.54	
New Eng. W. W. Association.....	9.00	
E. A. Comer, books.....	44.00	
Remy Magneto Co., repairs magneto.....	21.88	
Chas. Morley, water bottle to station.....	1.00	
C. B. Coburn, supplies.....	9.83	
	<hr/>	\$533.53

Pumping Station

Sundry:

Middlesex Machine Co., supplies.....	\$.50	
Welch, supplies .....	.90	
B. Kearney, teaming.....	3.33	
Thos. Ellis, repairs.....	4.09	
McSweeney's Express	2.06	
Robt. Tivey, labor.....	.50	
Talbot Mills, repairing.....	.28	
New Eng. Tel. & Tel.....	18.02	
	<hr/>	\$29.68
Herbert L. Eaton, salary.....	\$1,275.00	
Robt. Tivey, labor.....	495.64	
	<hr/>	\$1,770.64
J. P. Quinn Co., coal.....	\$783.98	
Hartwell & Son, coal.....	130.13	
E. A. Wilson, coal.....	174.19	
	<hr/>	\$1,088.30
Boston & Maine R. R., freight.....	\$712.97	
	<hr/>	\$712.97
J. E. Farmer, teaming.....	\$ 75.38	
J. A. Ruth, teaming.....	39.00	
T. G. Messer, teaming.....	219.68	
	<hr/>	\$334.06
B. & M. R. R., freight.....	\$.74	
Thompson Hardware Co.....	3.56	
McSweeney's Express	4.91	
J. A. Richardson, lumber.....	19.00	
Talbot Mills, supplies.....	4.66	
	<hr/>	
Amount carried forward.....	\$32.87	

Amount brought forward.....	\$32.87	
C. B. Coburn, supplies.....	19.07	
Gulf Refining Co., oil.....	8.50	
Standard Oil Co., oil.....	4.50	
Jenkins & Co., valves.....	28.00	
H. R. Barker Mfg. Co.....	6.10	
Hill Valve Co., valves.....	55.92	
Middlesex Machine Co., repairs.....	4.88	
E. E. Smith Co., supplies.....	.80	
E. A. Wilson, fire clay.....	.95	
	<hr/>	\$161.59
Repairs at Station, see itemized report.....		639.63
		<hr/>
		\$4,736.87

Distributing System:

Lowell Electric Light Corp., charge battery....	\$.90
E. E. Cole Co., gas.....	1.10
J. E. Bull, batteries and supplies.....	3.63
Staples Bros., frame for door.....	5.00
C. L. Burton, labor repairs.....	3.45
Howard Street Garage, repairs auto.....	29.15
Church Street Auto Co., repairs auto.....	3.40
Allen Auto Co., gasoline, etc.....	88.49
Pitts Auto Supply Co., tires, etc.....	191.95
Standard Oil Co., gasoline.....	34.00
George Grow Auto Co., conn. rod, spring.....	10.50
Bascom, windshield.....	8.00
Winship Auto Co., repairs.....	7.50
New Eng. Elec. Supply Co., charge battery....	4.89
Underhay Oil Co., auto oil.....	5.60
H. G. Watts Co., gasoline, supplies, etc.....	19.62
Middlesex Machine Co., supplies.....	15.96
McSweeney's Express.....	2.53
Gookin, stove front.....	7.50
Thos. Ellis, repairs, vulc. auto tube.....	6.85
Billerica Shoe Fix, labor.....	2.25
Union Sheet Metal Co., supplies.....	.75
Geo. E. Stowers, labor.....	5.45
Chas. Morley, carry water bottle to Station....	1.50

Amount carried forward.....	<hr/>	\$459.97
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Amount brought forward.....	\$459.97	
Boston & Maine R. R., freight.....	2.69	
American Express Co.....	13.11	
Geo. E. Stowers, car fare.....	8.48	
B. Kearney, team.....	2.00	
Talbot Mills, repair part.....	.12	
	<hr/>	488.37
Labor		\$1,642.76
H. L. Bond Co., supplies.....	\$ 6.43	
Middlesex Machine Co.....	11.78	
Ludlow Valve Co., hydrant repairs.....	13.59	
Talbot Mills, supplies.....	13.96	
Talbot Mills, fire hose.....	40.00	
R. T. Perry, supplies.....	7.30	
Welch, supplies .....	.60	
C. H. Martindale, forging.....	8.40	
Thompson Hardware Co.....	.52	
E. E. Smith Co., hardware.....	3.72	
Allen Auto Co., auto supplies.....	7.66	
E. A. King, shovels, hardware, etc.....	25.77	
F. W. Webb Co., valves, die, stock, etc.....	100.75	
Thos. Lydon, fittings, etc.....	5.99	
Meters:		
Robt. Tivey, labor.....	\$ 2.00	
N. Sweeney, labor.....	9.75	
G. Stowers, labor.....	14.00	
City of Lowell, testing, cleaning, and repairing	83.64	
National Meter Co., repairing.....	48.20	
Lowell Water Works, repairing.....	17.33	
	<hr/>	\$421.39
		<hr/>
		\$2,552.52

Receipts

Appropriated for hydrants.....	\$4,125.00	
Meter Rates	5,516.62	
Guarantees	89.50	
Sundry accounts	20.42	
	<hr/>	\$9,751.54

Expenses

	\$ 533.53	
	4,736.87	
	2,552.52	
Interest	6,635.00	
	<hr/>	\$14,457.92
Maintenance deficit		<hr/> \$4,706.38
Balance Station Repair appropriation.....		39.45
		<hr/>
Maintenance deficit		\$4,666.93

FINANCIAL STATISTICS

Receipts	Expenses
A Flat Rates\$ 25.00	CC Total Main -
B Meter Rates ... 5,467.40	tenance ....\$7,822.92
C Total from Consumer \$ 5,492.40	DD Interest 6,635.00
D Hydrants 4,125.00	HH Extension of Mains 2,283.26
E Public Building 24.22	II Extension of Services ... 1,441.76
H Total from Municipal Departments 4,149.22	KK Extension of Meters 595.20
I Guarantees 89.50	LL Additional Wells 4,766.26
J Sundry 20.42	
K Service Piping.. 468.61	Bal. Bond Money for Wells un-
M Meters 258.00	expended \$ 488.26
N Total Miscellaneous from Consumers ... 836.53	
	\$24,032.66
\$10,478.15	
Jan. 1, 1916	
Bal. Bond Acct. for Additions and Extensions ... \$ 2,161.20	
Bal. Bond for Wells 5,254.52	
Bal. Station Repairs 39.45	
Jan. 1, 1917	
Overdrawn on Maintenance Acct. 4,666.93	
Construction Acct. 1,432.41	
\$24,032.41	

PUMPING STATION RECORD

Months	Days Pump in Operation	Time Pump in Operation	Average Per Day	Gallons Pumped	Average Per Day	Daily Consumption Gallons	Pounds of Coal Used		
							For Pumping	For Fire Protection	Total
January	31	H. M.	H. M.	7,839,888	252,899	252,899	44,287	8,836	53,123
February	28	315 15	11 22	7,776,189	277,721	277,721	45,603	9,283	54,886
March	31	305 0	9 26	8,668,775	279,638	279,638	47,795	8,739	56,534
April	30	289 0	7 29	8,304,592	276,820	276,820	45,915	6,667	52,582
May	31	269 45	9 14	8,738,068	281,905	281,905	45,810	8,803	54,613
June	30	222 0	7 12	8,873,734	295,791	295,791	45,415	8,145	53,962
July	31	233 36	7 46	9,582,391	309,109	309,109	47,260	10,512	57,772
August	31	240 30	7 53	10,408,276	336,396	336,396	53,515	8,775	62,290
September	30	259 30	8 49	10,829,633	360,988	360,988	58,130	8,270	66,400
October	31	245 0	7 24	10,544,840	340,156	340,156	55,530	4,695	60,225
November	30	249 30	7 33	10,038,643	334,621	334,621	55,990	8,540	64,530
December	31	246 0	7 29	9,982,091	322,003	322,003	52,026	8,831	60,857
Totals	365	3,208 30	102 41	111,606,120	3,418,047	3,418,047	597,276	100,116	697,774
Monthly averages ..	30.4	265 30	8 34	9,300,510	284,837	284,837	49,756	8,343	58,148

DESCRIPTION	Cost	Water Receipts Jan. 1, '16, to Jan. 1, '17	% Cost
Construction as per 1909 and additions	\$92,837.36	\$4,134.49	4.4
High Street, 1909.....	1,073.44	52.44	4.9
High Street, 1913-14, B. & M. 12 in...	5,845.10	762.13	13.
Pond Street, 1909.....	1,401.83	12.00	.8
Andover Street, 1909.....	273.06	12.00	4.4
Call Street, 1910.....	331.00		
Blanchard Street	501.00	12.00	2.3
Higgins, 1912	223.53	12.00	5.3
Chelmsford, 1912	2,443.00	47.22	2.0
Boston Road, 1913.....	12,556.69	50.72	.4
Bedford Road, 1913.....	12,990.45	112.42	.87
Spring Street, 1913.....	660.52		
Wyman Road, 1913.....	2,549.54	49.20	1.9
Allen Road, 1913.....	596.72	12.00	2.
Webb Brook Road, 1913.....	2,238.28	26.70	1.1
Twombly Ave., 1913.....	763.24	77.07	10.
Arcadia Hillside and Allen.....	3,134.70	36.00	.11
Hawes	223.05	6.00	2.6
Billerica Garden Suburbs.....	2,059.55		
Verhan Road	424.56	24.49	5.7
High Street—Coldwell	341.51		
Colson Heights	192.85		
McElligott		28.01	7.
Bridge (Bartlett Kemp).....	586.64		
Chadwick Street	764.37		
Corthell Road, No. 1.....	869.83	6.45	.7
*Wallace Road	53.30		
Corthell, No. 2.....	437.27	27.45	6.2
Lowell Road	405.06		
Billerica Ave.	2,429.86		
Richardson and Whiting Sts.....	1,253.07	15.83	1.3
Railroad Street, 2 in.....	194.15		
Holt Street	575.44		
Webb Brook, 1915.....	437.50		
Allen Road, 1915.....	763.62		
Bridge and Bridle.....	901.62		
*Lexington Road	1,338.51		
Maple Street	514.11		
Salem Road	459.16		

SUMMARY OF STATISTICS FOR THE YEAR ENDING DEC. 31, 1916

Population by census, 1910: 2,817.

Date of construction: 1898.

By whom owned: Town.

Source of supply: Driven wells.

Mode of supply: Pumping to standpipe.

-
1. Builders of pumping machinery: Barr Pumping Engine Co.
 2. Description of fuel used:
 - a. Kind: Bituminous.
 - Brand of coal; New River.
 - c. Average price of coal per gross ton delivered: \$7.66.
 3. Coal consumed for the year: 697,774 lbs. For pumping only: 597,276.
 4. Total pumpage for the year: 111,606,120 gallons, without allowance for slip.
 5. Average static head against which pumps work: 299.52 feet.
 6. Average dynamic head against which pumps work: 322.39.
 7. Number of gallons pumped per pound of coal: For pumping only, 185.
 8. Number of gallons pumped per pound of coal: Total coal used, 159.
 9. Cost of pumping, figured on pumping station expenses: \$4,736.87.
 10. Per million gallons pumped: \$42.44.

CONSUMPTION

1. Estimated population at date: 3,300.
2. Estimated population on lines of pipe: 2,850.
3. Population supplied: 2,300.
4. Total consumption for the year: 111,606,120.

5. Average daily consumption: 284,837.
6. Gallons per day to each consumer: 123.
7. Cost of supplying water, per million gallons, figured on total maintenance: \$70.98.
8. Total cost of supplying water, figured on total maintenance and interest on bonds: \$129.50.

DISTRIBUTION

1. Kind of pipe: Cast iron.
2. Sizes: From 4 inch to 12 inch.
3. Total now in use: 20 miles.
4. Number of hydrants (public and private) now in use: 187.
5. Number of main gates now in use: 122.
6. Number of blow-off gates: 3.
7. Range of pressure on mains: 54 lbs. to 125 lbs.

Respectfully submitted,

JOSIAH C. EVANS,
B. W. KEARNEY,
WARREN HOLDEN,
Water Commissioners.

TREASURER'S REPORT

December 31, 1916

CASH RECEIPTS

Non-Revenue

Bowers Fund, for reinvestment.....	\$ 1,500.00	
Bowers Fund, income.....	523.50	
Winthrop Faulkner Fund, income.....	42.50	
Cemetery Trust Funds, for investment.....	100.00	
Cemetery Trust Funds, income.....	30.00	
Cemetery Trust Funds, income.....	50.00	
Abbott Singing Fund.....	70.00	
Sinking Fund income.....	1,903.00	
Anticipation Notes	30,000.00	
High School Bonds.....	27,000.00	
High School Construction income.....	45.00	
		<hr/> \$61,264.00

Revenue

Taxes and Interest.....	\$114,341.64
Water Department	10,485.22
Commonwealth:	
Public Service	1,399.49
National Bank Tax.....	453.72
Business Corporation Tax.....	2,729.91
Department Income:	
Janitor and Police.....	57.75
Street Railway Tax.....	4,160.14
Street Ry. and Excise Acct.—State High-	
way Tax	2,450.06
State Aid	756.00
Incidentals	94.24
Interest	478.46
Amount carried forward.....	<hr/> \$137,406.63

Amount brought forward.....	\$137,406.63
Macadam	1,700.00
Highways	180.06
Tree Warden	15.12
Outside Relief	1,315.00
Schools	471.03
Sinking Fund and Bond Interest.....	411.00
Moth Extermination	150.44
Macadam, Burlington Road.....	1,664.33
Macadam, Concord Road.....	6,615.63
Tuition Industrial School refund.....	611.25
Town Farm	3,216.57
Fire Department	11.26
Maintenance of Halls.....	99.00
Cemeteries	1,234.45
	<hr/> \$155,101.82

CASH PAYMENTS

Non-Revenue

Bowers Fund, invested.....	\$ 1,656.09
Abbott Singing Fund, income deposited.....	70.00
Cemetery Trust Funds.....	100.00
Cemetery Trust Funds, deposited in error.....	50.00
Bowers Fund expense.....	389.48
Sinking Fund Income Acct.....	1,703.00
Water Extension—Additional	2,283.26
High School Construction.....	46,927.87
Anticipation Notes	30,000.00
Additional Water Supply.....	4,766.26
	<hr/> \$87,945.96

Revenue

Department Expense:

Water Department.....	\$16,663.34
Police and Janitor.....	2,912.86
Street Ry. and Excise Acct.....	4,133.22
Bridges	330.02
State Aid	676.00
Incidentals	1,219.87

Amount carried forward..... \$25,935.31

Amount brought forward.....	\$25,935.31
Interest	1,743.86
Treasurer and Collector's Bond.....	270.00
Insurance	1,537.59
Board of Health.....	644.04
Macadam (sundry accounts).....	16,975.67
Highways	5,520.59
Sidewalks	281.12
Tree Warden	365.58
Street Lighting	2,712.28
Outside Relief	2,778.77
Schools	30,559.29
Medical Inspector	39.00
Sinking Fund and Bond Interest.....	9,060.00
Hydrants	4,125.00
Printing	504.72
Memorial Day	125.00
Spraying Elm Leaf Beetle.....	362.52
Assessors' Special	97.43
Moth Extermination	3,437.39
Salaries	4,844.00
Stearns and Blanchard Brooks.....	6.00
Macadam, Burlington Road.....	200.00
Widening River Street.....	232.05
Indexing Records	50.00
Park Commissioners	99.12
Tuition, Industrial School.....	547.50
Town Farm	4,628.24
Fire Department	5,345.65
Maintenance of Halls.....	1,588.04
Cemeteries	2,346.90
Barker Special Appropriation.....	300.00
Common and Town Pump.....	124.75
Kohlrausch Playground	302.06
Pond Street Walls.....	181.15
Town Debt	7,000.00
Town Debt	4,500.00
State Tax	8,887.81
County Tax	5,627.38
Abatements	2,703.34
<hr/> \$156,589.15	

RECAPITULATION

Balance on hand December 31, 1915.....	\$ 49,205.19
Total Receipts	216,365.82
	<hr/>
	\$265,571.01
Total Payments	244,535.11
	<hr/>
Balance on hand December 31, 1916.....	\$ 21,035.90
	<hr/>

ANALYSIS

Non-Revenue Cash

Balance December 31, 1915.....	\$ 40,259.97
Non-Revenue Receipts, 1916.....	61,264.00
	<hr/>
	\$101,523.97
Non-revenue Payments, 1916.....	87,945.96
	<hr/>
Balance of Non-Revenue Cash Dec. 31, 1916....	\$13,578.01

Viz.:

Due Sinking Fund Income (Water).....	\$200.00
Winthrop Faulkner Fund, Income.....	21.25
Cemetery Trust Funds:	
Fox Hill	\$60.00
South	59.48
North	\$69.31
Less	50.00
	<hr/>
	19.31
	<hr/>
	138.79
Bowers Fund	50.00
High School Construction.....	12,801.77
Water Accounts—Net	366.20
	<hr/>
	\$13,578.01
	<hr/>

Revenue Cash

Balance December 31, 1915.....	\$ 8,945.22	
Receipts, 1916	155,101.82	
	<hr/>	
	\$164,047.04	
Payments, 1916	156,589.15	
	<hr/>	
		7,457.89
		<hr/>
		\$21,035.90
		<hr/>

HERBERT A. KING,
Treasurer.

Examined and approved,

GEORGE P. GREENWOOD,
ARTHUR S. COOK,
FREDERICK WAIN,

Auditors.

AUDITOR'S REPORT

We submit our annual report, certifying that we have examined and approved all vouchers for payments made by the Town Treasurer, and find the same properly entered on the books of the Town. We have examined the securities and investments representing the amounts in the several trusts and sinking funds, and find the same as stated herein. We have continued the same system of accounting as in the past five years, with the advice and assistance of Mr. A. L. Blodgett, our special auditor, and we are thus enabled to present a complete and clear report of the financial condition of the Town, of which we ask a careful study, that all may better understand the matter of ways and means in the management of our Town affairs. We desire at this time to express our appreciation of the work of Mr. Blodgett, who, after a period of nearly ten years in the service of our Town, is obliged to relinquish the same on account of other duties, and we hope the good work done by him in gathering up and systematizing our Town accounts will be continued in the best possible manner.

To this end we unanimously recommend at this time the adoption by the Town of the Town Accountant Act as the best and most progressive method of handling our accounting matters in the future. We add herewith:

1. Schedule of Appropriation Accounts.
2. Trust and Sinking Fund Accounts.
3. Tax Statement.
4. Comparative Net Debt Statement.
5. Detail of Town Debt.
6. Balance Sheet.

Respectfully submitted,

GEORGE P. GREENWOOD,
ARTHUR S. COOK,
FREDERICK WAIN,

Auditors.

Billerica, January 27, 1917.

APPROPRIATION SCHEDULE, YEAR ENDING DEC. 31, 1916

APPROPRIATIONS FROM REVENUE:				Overdrawn Dec. 31, 1915	Unexpended Dec. 31, 1915	Appropriation	Receipts	Debit Transfers	Expended	Credit Transfers	Overdrawn Dec. 31, 1916	Unexpended Dec. 31, 1916
Assessors' Special	\$ 16.44		\$ 120.00			\$	97.43					\$ 6.13
Barker Special Appropriation.....		\$ 75.00	300.00				300.00					75.00
Board of Health.....		10.65	1,000.00				644.04					366.61
Boston Road Lights.....			682.50									682.50
Bounty		125.00			\$ 125.00							
Bridges		656.50					330.02					326.48
Bridle Road		33.00										
Cemeteries		63.77	900.00	\$ 1,184.45			2,346.90	\$ 50.00		148.68		34.43
Common and Town Pump.....		34.18	125.00				124.75					6,200.00
Concrete Fire Station.....		6,200.00									192.79	
Concrete Bridge	192.79											300.00
Culvert, Middlesex Turnpike.....		300.00									22.32	
Drain, Charnstaff Lane.....	22.32											
Dudley Road Trees.....		8.48				8.48						
Fire Department		1.70	6,000.00	11.26			5,345.65					667.31
Fire Alarm System.....		2.43				2.43						
Fireproof Vault Fittings.....		26.00				26.00						

APPROPRIATION SCHEDULE, 1916—(Continued)

APPROPRIATIONS FROM REVENUE:		Overdrawn	Unexpended	Appropriation	Receipts	Debit	Expended	Credit	Overdrawn	Unexpended
		Dec. 31, 1915	Dec. 31, 1915			Transfers		Transfers	Dec. 31, 1916	Dec. 31, 1916
Fire Station Equipment.....			1,200.00							1,200.00
Fordway Bridge			96.94			96.94				
Fordway Park Improvement.....			199.60							199.60
Grading Common			200.00							200.00
Heating Plant, Pollard School.....			70.00			70.00				70.00
Highways	212.10			5,636.97	180.06		5,520.59			84.34
High Street Sidewalks.....				300.00						300.00
Hydrants				4,125.00			4,125.00			
Incidentals			427.45	1,000.00	94.24		1,219.87			301.82
Indexing Records				50.00			50.00			
Insurance			413.14	600.00			1,537.59		524.45	
Interest			2,471.80	2,200.00	478.46		1,743.86			3,406.40
Investigation Fordway Bridge.....			100.00			100.00				
Kohlrausch Playgrounds				500.00			302.06			197.94
Macadam, Burlington Road.....			279.26	2,500.00	1,664.33	2,572.74	200.00			1,670.85
Macadam Construction	32.62				1,700.00		16,975.67			1,667.38
Macadam, Concord Road.....	434.45			2,250.00	6,615.68	9,297.46			866.23	

APPROPRIATION SCHEDULE, 1916—(Continued)

APPROPRIATIONS FROM REVENUE:	Overdrawn Dec. 31, 1915	Unexpended Dec. 31, 1915	Appropri- ation	Receipts	Debit Transfers	Expended	Credit Transfers	Overdrawn Dec. 31, 1916	Unexpended Dec. 31, 1916
Macadam Road Repairs.....		278.34							278.34
Maintenance of Halls.....		1,112.92	400.00	99.00		1,588.04			23.88
Medical Inspector			500.00			39.00			461.00
Memorial Day			125.00			125.00			
Moth Extermination	199.19		2,177.15	150.44		3,437.39	676.27	632.72	
Moving Bridge Material.....		50.00			50.00				
Moving Stone Crusher.....		99.00			99.00				
New Moth Sprayer.....			600.00						600.00
Outside Relief		24.05	800.00	1,315.00		2,778.77		639.72	
Park Commissioners		22.95	150.00			99.12			73.83
Police and Janitor.....		333.20	2,100.00	57.75		2,912.86		421.91	
Pollard School Grounds Improvement		100.00			100.00				
Printing		156.68	500.00			504.72			151.96
Pond Street Walls.....			200.00			181.15			18.85
Pumping Station Repairs.....		39.45			39.45				
Repairs Town Farm.....		2.03			2.03				
Salaries		17.50	4,565.00			4,844.00		261.50	

APPROPRIATION SCHEDULE, 1916—(Continued)

APPROPRIATIONS FROM REVENUE:	Overdrawn Dec. 31, 1915	Unexpended Dec. 31, 1915	Appropriation	Receipts	Debit Transfers	Expended	Credit Transfers	Overdrawn Dec. 31, 1916	Unexpended Dec. 31, 1916
Sanitary Drinking Fountain.....		130.55	31,000.00	471.03	130.55	30,559.29	1,000.00		2,568.14
Schools		656.40						1,835.47	
Shawsheen River Bridge.....		3,270.00			5,105.47				
Sidewalks		135.69	600.00			281.12	200.00		654.57
Sidewalk, Pond Street.....		.15							.15
Sinking Fund and Bond Interest.....			9,150.00	411.00		9,060.00		16.00	501.00
Soldiers' Relief	116.00		100.00						
Special Auditor		157.00							157.00
Spraying Elm Leaf Beetle.....		14.92	400.00			362.52			52.40
State Aid	155.00			756.00		676.00		75.00	
Stearns and Blanchard Brooks.....		37.55	100.00			6.00			131.55
Street Lighting		757.23	2,500.00			2,712.28			544.95
Street Ry. and Excise Account.....	1,438.98			6,610.20	2,500.00	4,133.22		1,462.00	
Tax Accounting		79.00			79.00				
Town Debt			11,500.00			11,500.00			
Town Farm		287.32	800.00	3,216.57		4,628.24		324.35	
Town Farm Committee.....	2.00							2.00	

APPROPRIATION SCHEDULE, 1916—(Continued)

APPROPRIATIONS FROM REVENUE:	Overdrawn		Appropriation	Receipts		Debit		Credit		Overdrawn	
	Dec. 31, 1915	Unexpended Dec. 31, 1915		Transfers		Transfers		Transfers		Dec. 31, 1916	Unexpended Dec. 31, 1916
Treasurer and Collector, Bond.....		40.00	160.00							70.00	
Tree Warden		127.90	200.00	15.12						22.56	
Tuition Industrial School.....		1,588.57		611.25	1,000.00						652.32
Union Hall Repairs.....		200.00									200.00
Water Department	763.96			10,485.22	127.50	23,712.86	7,088.97			7,030.13	
Widening River Street.....		136.70				232.05				95.35	
	\$3,585.85	\$22,850.00	\$96,916.62	\$36,127.06	\$21,565.05	\$146,420.14	\$25,990.91			\$14,643.08	\$24,956.63
Appropriations from Non-Revenue:											
School Construction, High.....		\$32,684.64		\$27,045.00							\$12,801.77
Water Extension—Additional		2,161.20			\$ 2,283.26	\$ 46,927.87			\$ 122.06		
Water Supply—Additional		5,254.52			4,766.26						488.26
		\$40,100.36		\$27,045.00	(\$7,049.52)	\$46,927.87				\$122.06	\$13,290.03

WATER WORKS SINKING FUND

Amount of Fund December 31, 1915.....	\$42,266.60	
Town Appropriation	1,800.00	
Interest Income for 1916.....	1,602.58	
	<hr/>	\$45,669.18

Accounting

Boston & Albany Bonds.....	\$10,000.00	
N. Y., N. H. & H. Bonds.....	11,000.00	
Billerica Water Bond No. 11, Additional Water Loan, Nos. 41, 42, 43, 44, 45, 46.....	4,000.00	
Lowell Five Cent Savings Bank.....	4,440.18	
City Institution for Savings.....	3,790.42	
Lowell Institution for Savings.....	914.46	
Mechanics Savings Bank.....	1,326.54	
Central Savings Bank.....	6,841.96	
Mechanics Savings Bank.....	3,155.62	
Cash in Treasury Dec. 31, 1916.....	200.00	
	<hr/>	\$45,669.18

TOWN HALL SINKING FUND

Amount of Fund Dec. 31, 1915.....	\$24,821.08	
Town Appropriation	800.00	
Interest Income for 1916.....	951.16	
	<hr/>	\$26,572.24

Accounting

Billerica Water Bonds Nos. 13, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 81, 82, Additional Water Loan Nos. 39, 40.....	\$14,000.00	
City Institution for Savings.....	2,053.40	
City Institution for Savings.....	1,089.52	
Central Savings Bank.....	4,410.64	
Mechanics Savings Bank.....	1,110.34	
Mechanics Savings Bank.....	1,638.44	
Lowell Five Cent Savings Bank.....	2,269.90	
	<hr/>	\$26,572.24

SCHOOL HOUSE LOAN SINKING FUND

Amount of Fund Dec. 31, 1915.....	\$17,046.99	
Town Appropriation.....	875.00	
Interest Income for 1916.....	634.60	
		<hr/>
		\$18,556.59

Accounting

Bonds of above Loan Nos. 23, 24, 25.....	\$3,000.00
Billerica Water Bonds Nos. 12, 15, 27, 44, Additional Water Loan Nos. 35, 36, 37, 38.	6,000.00
Lowell Institution	128.79
Central Savings Bank.....	5,176.16
City Institution for Savings.....	1,520.94
Mechanics Savings Bank.....	362.47
Five Cent Savings Bank.....	2,368.23
	<hr/>

Amount of Fund Dec. 31, 1916.....	\$18,556.59
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BOWERS FUND

Amount of Fund Dec. 31, 1915.....	\$16,998.83
Income for 1916.....	686.77
	<hr/>

\$17,685.60

Expended 1916	389.48
Total of Fund Dec. 31, 1916.....	\$17,296.12

Accounting

Lowell Institution for Savings.....	\$ 29.36
Mechanics Savings Bank.....	301.67
Mechanics Savings Bank.....	409.34
Central Savings Bank.....	2,252.37
Central Savings Bank.....	2,274.71
City Institution for Savings.....	159.08
City Institution for Savings.....	146.06
Five Cent Savings Bank.....	223.53
Bonds, Town of Russell, Nos. 5, 6, 7, 8.....	2,000.00
Messer Mortgage	1,000.00
	<hr/>

Amount carried forward.....	\$8,796.12
-----------------------------	------------

Amount brought forward.....	\$8,796.12	
Colburn Mortgage	450.00	
Billerica Water Bond No. 14.....	1,000.00	
Billerica Notes Nos. 35, 36, 37, 38, 39, 40, 41...	7,000.00	
Cash on hand Dec. 31, 1916.....	50.00	
	<hr/>	
Amount of Fund Dec. 31, 1916.....		\$17,296.12

ABBOTT SINGING FUND

Amount of Fund Dec. 31, 1915.....	\$1,584.82	
Income for 1916.....	73.68	
	<hr/>	
Amount of Fund Dec. 31, 1916.....		\$1,658.50

Accounting

Mortgage Investment	\$1,400.00	
Deposited in Savings Bank.....	258.50	
	<hr/>	
		\$1,658.50

COMMON SEAT FUND

Amount of Fund Dec. 31, 1915.....	\$53.80	
Income for 1916.....	2.14	
	<hr/>	
Amount of Fund Dec. 31, 1916, deposited in Savings Bank		\$55.94

WATERING TROUGH FUND

Amount of Fund Dec. 31, 1915.....	\$30.25	
Income for 1916.....	1.20	
	<hr/>	
Amount of Fund Dec. 31, 1916, deposited in Savings Bank		\$31.45

WINTHROP FAULKNER FUND

Amount of Fund Dec. 31, 1915.....	\$978.75	
Income for 1916.....	42.50	
	<hr/>	
		\$1,021.25
Accounting		
Note, Town of Revere No. 10.....	\$1,000.00	
Cash on hand.....	21.25	
	<hr/>	
		\$1,021.25

REPORT OF CEMETERY TRUST FUNDS

	Amount of Fund Dec. 31, 1915	Income for 1916	Total	Paid in 1916	Balance Dec. 31, 1916	Total
SOUTH CEMETERY—						
Sweetser Fund	\$ 1,448.75	\$ 65.72	\$ 1,514.47	\$ 50.00	\$ 1,464.47	
Thomas Sumner Fund.....	110.47	4.44	114.91	4.00	110.91	
Mary F. J. Foster Fund.....	113.78	4.58	118.36	4.00	114.36	
Susan E. Hutchins Fund.....	112.01	4.52	116.53	4.00	112.53	
Jaquith Fund	139.37	5.62	144.99	4.00	140.99	
Abigail Jaquith Fund.....	103.74	4.16	107.90	3.00	104.90	
Holden Fund	106.09	4.28	110.37	4.00	106.37	
Joseph Jaquith Fund.....	103.02	4.16	107.18	3.00	104.18	
Foster Fund	128.46	5.18	133.64	5.00	128.64	\$ 2,387.35
FOX HILL CEMETERY—						
Thompson Fund	1,093.40	31.26	1,124.66		1,124.66	

REPORT OF CEMETERY TRUST FUNDS—(Continued)

	Amount of Fund Dec. 31, 1915	Income for 1916	Total	Paid in 1916	Balance Dec. 31, 1916	Total
Joel Baldwin Fund.....	115.26	4.64	119.90	4.00	115.90	
Gray Fund	565.38	22.82	588.20		588.20	
Olivia A. Stearns Fund.....	108.97	4.38	113.35	3.00	110.35	
A. W. Patten Fund.....	411.79	16.62	428.41	10.00	418.41	
Bohonan Fund	85.82	1.70	87.52	3.00	84.52	
Frost Fund	103.33	2.06	105.39	3.00	102.39	
Esther A. Holden Fund.....	107.62	4.32	111.94	3.00	108.94	
Wm. A. Burrows Fund.....	107.70	4.32	112.02		112.02	
John Fisk Fund.....	50.16	2.02	52.18	2.00	50.18	
Geo. H. Hall Fund.....	209.86	8.46	218.32	6.00	212.32	
Samuel H. King Fund.....	108.18	4.36	112.54	3.00	109.54	
Gilman Fund	100.32	4.04	104.36	4.00	100.36	

REPORT OF CEMETERY TRUST FUNDS—(Continued)

	Amount of Fund Dec. 31, 1915	Income for 1916	Total	Paid in 1916	Balance Dec. 31, 1916	Total
Rosa Gatter Fund.....	216.92	8.74	225.66	6.00	219.66	
Palmer Fund	106.62	4.28	110.90	3.00	107.90	
Baldwin Fund	106.62	4.28	110.90	3.00	107.90	
Holden Fund	106.62	4.28	110.90	3.00	107.90	
Spaulding Fund	151.64	6.10	157.74	4.00	153.74	
Alexander Fund	157.84	6.34	164.18	3.00	161.18	
Shedd-Sanborn Fund	101.50	4.08	105.58	3.00	102.58	
Bennink Fund	157.84	6.34	164.18	3.00	161.18	
Andrews Fund	102.14	4.12	106.26	5.00	101.26	
Harlow Colby Fund.....	102.14	4.12	106.26	3.00	103.26	
Folsom Fund	104.18	4.20	108.38	3.00	105.38	
Underhill Fund	103.02	4.16	107.18	4.00	103.18	

REPORT OF CEMETERY TRUST FUNDS—(Continued)

	Amount of Fund Dec. 31, 1915	Income for 1916	Total	Paid in 1916	Balance Dec. 31, 1916	Total
Crosby and Lowell Fund.....	206.04	8.32	214.36	5.00	209.36	
Wild Fund	77.25	3.10	80.35	2.00	78.35	
Fisk Fund	100.00	3.02	103.02		103.02	
Salaway Fund	75.00	2.25	77.25		77.25	
Palmer Fund	102.14	4.12	106.26	3.00	103.26	5,344.15
NORTH CEMETERY—						
Sawyer Fund	142.92		142.92		142.92	
Samuel Osgood Fund.....	114.99	4.62	119.61	3.00	116.61	
Josiah Rogers Fund.....	250.66	10.10	260.76	8.00	252.76	
Isaac Knafton Fund.....	121.52	4.88	126.40	25.00	101.40	
Bryant Fund	176.41	3.52	179.93	15.00	164.93	
Betsey Cowdrey Fund.....	53.33	2.14	55.47	2.00	53.47	

REPORT OF CEMETERY TRUST FUNDS—(Continued)

	Amount of Fund Dec. 31, 1915	Income for 1916	Total	Paid in 1916	Balance Dec. 31, 1916	Total
Balmforth Fund	108.14	4.36	112.50	3.00	109.50	
Shedd Fund	130.25	5.24	135.49	4.00	131.49	
Calvin Rogers Fund.....	366.44	7.32	373.76	12.00	361.76	
Amos Cray Fund.....	279.16	11.26	290.42	5.00	285.42	
Francis V. Noyes Fund.....	252.20	5.04	257.24	5.00	252.24	
Faulkner Fund	1,330.33	56.22	1,386.55		1,386.55	
Levi Sprague Fund.....	383.67	7.66	391.33	20.00	371.33	
Maria Dows Fund.....	265.15	5.30	270.45	8.00	262.45	
Faulkner Wild Randlett Fund...	319.23	12.88	332.11	12.00	320.11	
Mary M. Shores Fund.....	113.77	4.58	118.35	3.00	115.35	
H. M. Hutchins Fund.....	51.50	2.06	53.56	2.00	51.56	
Andrew Handley Fund.....	101.02	4.08	105.10	3.00	102.10	

REPORT OF CEMETERY TRUST FUNDS—(Continued)

	Amount of Fund Dec. 31, 1915	Income for 1916	Total	Paid in 1916	Balance Dec. 31, 1916	Total
Georgiana Rogers Fund.....	166.04	6.70	172.74	5.00	167.74	
A. R. Richardson Fund.....	340.32	13.74	354.06	18.00	336.06	
Higson and Switzer Fund.....	106.82	4.28	111.10	3.00	108.10	
Abbott Fund	105.82	4.24	110.06	4.00	106.06	
H. W. Sheldon Fund.....	108.00	4.36	112.36	3.00	109.36	
Coffey Fund	104.40	4.20	108.60	3.00	105.60	
Walker Fund	105.58	4.24	109.82	3.00	106.82	
W. O. Sheldon Fund.....	105.98	4.26	110.24	4.00	106.24	
Spaulding Fund	106.62	4.28	110.90	3.00	107.90	
Bottomley Fund.....	104.18	4.20	108.38	3.00	105.38	
Ritchie Fund	104.18	4.20	108.38	3.00	105.38	
Jennie S. Twombly Fund.....	103.02	4.16	107.18		107.18	

REPORT OF CEMETERY TRUST FUNDS—(Continued)

	Amount of Fund Dec. 31, 1915	Income for 1916	Total	Paid in 1916	Balance Dec. 31, 1916	Total
W. A. Evans Fund.....	206.04	8.32	214.36	4.00	210.36	
A. H. Jones Fund.....	206.04	8.32	214.36	4.00	210.36	
Sarah A. Sutcliffe Fund.....	103.02	4.16	107.18	3.00	104.18	
Farwell Fund	103.02	4.16	107.18	3.00	104.18	
Lucy Brown Fund.....	100.00	3.02	103.02		103.02	
Saville Metcalf Fund.....	100.00		100.00		100.00	6,985.87
	\$14,550.76	\$537.61	\$15,088.37	\$371.50		\$14,717.37

ACCOUNTING

Bonds, viz.:

Commonwealth of Mass. No. 20,593.....	\$ 1,000.00
Greenfield Elec. Lt. & Power Co., 2 bonds, \$500 each, Nos. 94 and 130.....	1,000.00
Spencer Gas Co., 1 bond, No. 52.....	1,000.00
Deposited in Savings Banks.....	11,528.58
Cash in Treasury.....	188.79

\$14,717.37

HERBERT A. KING,
Town Treasurer.

TAX STATEMENT—DECEMBER 31, 1916

Tax of	Uncollected Dec. 31, 1915	Collected during 1916	Uncollected Dec. 31, 1916
	\$ 22.31*		
1913	512.24	\$ 534.55	
1914	5,206.14	4,767.83	\$ 438.31
1915	23,104.73	15,885.04	7,219.69
1916	112,122.95	91,291.22	20,831.73
	\$140,968.37	\$112,478.64	\$28,489.73

* Added 1913

SPECIAL ASSESSMENTS—MOTH TAX

1914	\$ 56.94	\$ 56.94	
1915	83.20	65.93	\$ 59.79
	42.52*		
1916	655.13	553.40	101.73
	\$837.79	\$676.27	\$161.52

* Added 1915

COMPARATIVE NET DEBT STATEMENT

DECEMBER 31, 1916

Due Appropriation Accounts Un- expended	\$ 11,883.97	\$ 62,950.36	\$ 37,246.66
Due Trust Funds.....	29,825.23	34,182.25	34,780.63
Bonds Payable:			
Water Works	90,000.00	159,000.00	156,000.00
Town Hall	30,000.00	30,000.00	30,000.00
School House	25,000.00	25,000.00	25,000.00
New High School.....		63,000.00	85,500.00
Notes Payable:			
Trustees Howe School.....	6,400.00	4,000.00	4,000.00
Bowers Fund	7,160.00	8,000.00	7,000.00
Concrete Bridge	9,000.00	4,000.00	3,000.00
Fordway Bridge		6,000.00	5,000.00
Fordway Footbridge	1,400.00		
Fire Escape Pollard School.	700.00		
	\$211,369.20	\$397,132.61	\$387,527.26
Cash on Hand and Taxes Due...	\$ 27,763.08	\$ 78,008.83	\$ 49,687.15
Overdrafts, due from Appropri- ation Accounts		3,585.85	14,765.14
Trust Fund Investments.....	29,620.83	34,182.25	34,570.59
Sinking Funds:			
Water Works	27,016.00	42,266.60	45,669.18
Town Hall	16,928.41	24,821.08	26,572.24
School House	10,292.33	17,046.99	18,556.59
	\$111,620.65	\$199,911.60	\$189,820.89
Net Debt	\$ 99,748.55	\$197,221.01	\$197,706.40

**STATEMENT OF TOWN DEBT, SHOWING WHEN DUE,
DECEMBER 31, 1916**

1917 .. \$	3,000.00	\$ 1,000.00	\$ 4,500.00	\$ 2,000.00	\$ 10,500.00
1918 ..	5,000.00	1,000.00	4,500.00	2,000.00	12,500.00
1919 ..	5,000.00	1,000.00	4,500.00	32,000.00	42,500.00
1920 ..	5,000.00	1,000.00	4,500.00	1,000.00	11,500.00
1921 ..	5,000.00	1,000.00	4,500.00	26,000.00	36,500.00
1922 ..	5,000.00	1,000.00	4,500.00		10,500.00
1923 ..	5,000.00	1,000.00	4,500.00		10,500.00
1924 ..	5,000.00	1,000.00	4,500.00		10,500.00
1925 ..	5,000.00	1,000.00	4,500.00		10,500.00
1926 ..	5,000.00	1,000.00	4,500.00		10,500.00
1927 ..	3,000.00	1,000.00	4,500.00		8,500.00
1928 ..	93,000.00		4,500.00		97,500.00
1929 ..	1,000.00		4,500.00		5,500.00
1930 ..	1,000.00		4,500.00		5,500.00
1931 ..	1,000.00		4,500.00		5,500.00
1932 ..	1,000.00		4,500.00		5,500.00
1933 ..	1,000.00		4,500.00		5,500.00
1934 ..	1,000.00		4,500.00		5,500.00
1935 ..	1,000.00		4,500.00		5,500.00
1936 ..	1,000.00				1,000.00
1937 ..	1,000.00				1,000.00
1938 ..	1,000.00				1,000.00
1939 ..	1,000.00				1,000.00
1940 ..	1,000.00				1,000.00
<hr/>					
	\$156,000.00	\$11,000.00	\$85,500.00	\$63,000.00	\$315,500.00

BALANCE SHEET—DECEMBER 31, 1916

CURRENT ACCOUNTS

Debits

Cash on hand.....	\$ 20,825.86
Taxes uncollected	28,651.25

Credits

Unexpended Balances—Revenue	\$ 24,956.63
Less Overdrafts	14,643.08

Net Unexpended	\$ 10,313.55
Overlay Reserves	6,066.25
Unexpended Balances—Non-Revenue Net..	13,167.97
Due Sinking Fund Income Account.....	200.00

\$ 29,747.77

TRUST ACCOUNTS

Trust Fund Investments.....	\$ 34,570.59	Trust Funds	\$20,063.26
Cash on hand.....	210.04	Cemetery Trust Funds.....	14,717.37

\$ 34,780.63

CAPITAL ACCOUNTS

Water Department

Construction	\$177,791.75
Inventory	1,817.44

WATER DEBT

Sinking Fund	\$ 45,669.18	Bonds Payable	\$156,000.00
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PUBLIC BUILDINGS

Sinking Funds	\$ 45,128.83	Bonds Payable	\$140,500.00
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BALANCE SHEET—(Continued)

Debits	Credits
REAL ESTATE	
Assessors' Valuation \$161,468.23	
	NOTES PAYABLE
	Sundry \$ 19,000.00
	EXCESS OR DEFICIENCY ACCOUNT
	Excess of Revenue over Expense..... \$ 8,520.97
	TOWN DEBT
Total per list..... \$315,500.00	
	NET ASSETS
	Balancing Account December 31, 1916
	443,083.80
	<u>\$831,633.17</u>
	<u>\$831,633.17</u>

REPORT OF THE COLLECTOR OF TAXES

Uncollected Jan. 1, 1916.	\$23,187.93	\$5,263.08	\$512.24
1916 Commitment.			
Regular	\$112,122.95		
Excise	4,160.14		
Moth	655.13		
	—————		
	\$116,938.22		
Additional		42.52	22.31
Cash Collected	94,693.02	14,923.47	4,589.35
Abatements and Correc-			
tions	1,311.74	1,037.50	235.42
Uncollected Dec. 31, 1916	20,933.46	7,279.48	438.31
Moth Tax, included above:			0.00
Uncollected Jan. 1, 1916		\$83.20	\$56.94
1916 Commitment	\$655.13		
1915 Additional		42.52	
Collected	553.40	65.93	56.94
Uncollected Dec. 31, 1916	101.73	59.79	0.00

RECAPITULATION

Uncollected January 1, 1916.....	\$ 28,963.25
1913 Additional	22.31
1915 Additional	42.52
1916 Commitment	116,938.22
Interest Collected	1,186.73
	—————
	\$147,153.03
Paid Treasurer	118,501.78
	—————
Balance December 31, 1916.....	\$ 28,651.25

EVERETT S. BULL,

Collector of Taxes.

REPORT OF THE BOARD OF SELECTMEN

To the Citizens of the Town of Billerica:

The Board of Selectmen submit herewith reports of the various departments for the year ending December 31st, 1916, and Warrant for the Annual Town Meeting to be held February 10th, 1917, together with an estimate of the amounts which we consider it necessary for the Town to appropriate for the use of all departments in order to insure an efficient and proper administration of the business of the Town during the next year.

The expenditures during the past year have been kept within the limits of the appropriations in most departments. In a few instances, however, due to emergencies or unforeseen expenses, incurred because of the large increase in the work which it was necessary for some of the departments to perform, there have been small overdrafts.

POLICE.

We have endeavored to increase the efficiency of this department during the past year and to give the Town the best service possible under existing conditions. Owing to the large increase in the population, especially in outlying sections which can only be reached quickly by the use of automobiles in case of trouble, we deemed it advisable to allow the two officers fifty cents per day each for the running expenses of automobiles owned and kept

in repair by them, so as to be immediately available at all times, with the understanding that no other expense for travelling would be allowed except in an emergency. The pay of the officers was also increased to \$3.00 per day, which we believe is a reasonable recompense for the hazardous duties they have to perform and the responsibilities they are under.

It is now impossible for two officers to properly cover the Town during the summer months, and through the past summer two special officers were placed on duty regularly in the Pinehurst district. On week ends and holidays other special officers were employed where necessary.

We believe it to be advisable for the Town to appropriate a larger amount for this department, and recommend that plans be made in the near future to increase the number of regular officers and to place them in regulation uniform.

PUBLIC BUILDINGS.

During the summer the Town Hall was painted on the inside and outside and repairs were made wherever necessary. The appearance of the building has been greatly improved thereby, and we recommend that it be kept in good repair by having a certain amount of work done each year. An appropriation of \$1,500 should be made and spent rather than to allow large balances to accumulate, since we believe it to be a poor policy to permit the buildings to deteriorate to such a condition as the Town Hall was in before repairs were made.

We also recommend that suitable arrangements be made for providing adequate office room in the Town Hall for the various departments. This can be done by abandoning the dining room and kitchen and partitioning them off into offices, or by building an addition to the

hall. Conditions have become very crowded during the past few years, and in order to properly carry on the business of the Town we feel that it is necessary to have the above recommendation carried out at once.

HIGHWAYS.

The macadam road on Concord Road has been completed, with the assistance of the Commonwealth and County, who have each contributed one-third to the cost of building the two sections laid down in the past two years.

An allotment of \$2,500 each was also obtained from the Commonwealth and County on the Boston Road during the past year, and a considerable amount of work was done on this road. The Commonwealth and County have agreed to each contribute \$5,000 to complete the macadam on the Boston Road during 1917, provided the Town appropriate \$5,000 for this work, and we strongly recommend that this action be taken, since this is a much-travelled road and badly in need of repairs.

A larger appropriation should be made for general repair work on the highways so that the through roads, one of the best assets of the Town if kept in good condition, and also the other roads, can be properly repaired.

A new bridge should be built at an early date over the Concord River to replace the present Middle Bridge on River Street, which is in an unsafe condition.

STREET LIGHTING.

Twelve additional street lights were installed in locations where the Board determined they were most needed, after a thorough inspection of the Town. We recommend that the policy of adding ten or more lights each year be followed in the future until all of the streets

are properly lighted, and that the locating of these lights be left to the Selectmen.

A proposal has been received from the Lowell Electric Light Corporation to furnish the Town with street lights at \$18.00 each per year on a five-year contract, which makes a considerable saving over the former price of \$19.50 per light per year. We feel that the Town should take advantage of this offer, since the price will be the same as in the past if no contract is made, and recommend that the Selectmen be authorized to sign this contract.

CONCLUSION.

In addition to the above recommendations, we wish to bring to the attention of the Citizens the necessity of making some change in the manner of conducting the business of the Town, in order to increase the efficiency of the various departments and facilitate the work of the Town officers. The amount of work that it is now necessary for the officers to perform, and the amount of time that it takes under the present system for the Selectmen, Treasurer, Auditors and other Boards to attend properly to their duties are not justified. The Town should take immediate action to remedy these conditions and to provide its officers with the funds and facilities necessary to handle the increase in business resulting from the rapid growth of the Town.

Respectfully submitted,

RALPH E. MANNING, Chairman;
PRESCOTT L. PASHO, Secretary;
MARTIN CONWAY,

Board of Selectmen.

ESTIMATE OF APPROPRIATIONS FOR 1917
BY THE BOARD OF SELECTMEN

	Appropriations 1916	Recommendations 1917
Constables, Janitor and Police.....	\$ 2,100.00	\$ 3,500.00
Incidentals	1,000.00	1,000.00
Maintenance of Public Buildings....	400.00	1,500.00
Common and Town Pump.....	125.00	100.00
Treasurer's and Collector's Bonds...	160.00	290.00
Insurance	600.00	1,300.00
Interest	2,200.00	1,250.00
Indexing Records	50.00	50.00
Printing	500.00	750.00
Street Lighting	2,500.00	2,800.00
Memorial Day	125.00	125.00
Assessors' Special	120.00	150.00
Schools	31,000.00	35,000.00
Medical Inspection of Schools.....	500.00	500.00
Board of Health Expenses.....	1,000.00	600.00
Highway Repairs	5,000.00	5,000.00
Bridges		300.00
Sidewalks	600.00	300.00
Town Farm	800.00	1,000.00
Outside Relief	800.00	1,000.00
Moth	2,177.15	2,338.08
Elm Beetle	400.00	300.00
Tree Warden	200.00	200.00
Fire Department	6,000.00	6,000.00
Cemeteries	900.00	1,000.00
Parks	150.00	150.00
Hydrants	4,125.00	4,125.00
Town Notes	10,500.00	10,500.00
Sinking Fund and Bond Interest, Town Hall	2,000.00	2,000.00

	Appropriations	Recommendations
	1916	1917
High School Bond Interest.....	3,600.00	3,420.00
Sinking Fund and Bond Interest,		
School House	1,750.00	1,750.00
Sinking Fund, Water Bonds.....	1,800.00	1,800.00
Salaries:		
Selectmen	600.00	600.00
Assessors	900.00	900.00
Overseers of Poor.....	300.00	400.00
School Committee	180.00	180.00
Town Clerk	300.00	300.00
Town Treasurer	500.00	500.00
Tax Collector	600.00	600.00
Election Officers	300.00	300.00
Fish Warden	10.00	10.00
Auditors	150.00	150.00
Special Auditor	150.00	150.00
Sealer of Weights and Measures	100.00	100.00
Registrars of Voters.....	200.00	200.00
Board of Health.....	150.00	150.00
Cattle Inspector	100.00	100.00
Forest Warden	25.00	100.00

WARRANT

ANNUAL TOWN MEETING

BILLERICA, MASS.

COMMONWEALTH. OF. MASSACHUSETTS.

MIDDLESEX, SS.

To any Constable in the Town of Billerica :

GREETING :

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs, to meet at the Town Hall, Billerica, at 6 o'clock A. M., Saturday, February 10, 1917, to bring in their votes on one ballot for the following officers :

Moderator, Town Clerk, Town Treasurer, Three Selectmen, Three Overseers of the Poor, Three Auditors, a Collector of Taxes, a Highway Surveyor, a Tree Warden and Two Constables, all for one year. One Assessor, One Member of the Board of Health, One Member of the School Committee, One Member of the Town Hall Sinking Fund Commission, One Member of the Cemetery Commission, One Member of the Talbot School Sinking Fund Commission, One Member of the Water Commision, and One Member of the Park Commission, all for three years.

Also, to vote on the following question, viz.: "Shall license be granted for the sale of intoxicating liquors in the Town of Billerica?" Yes or No.

Polls may be closed at 4 o'clock P. M.

Also, at 10 o'clock A. M., to meet and act upon the following articles:

ARTICLE 1. To choose a member of the Bowers Fund Committee for a term of five years.

ARTICLE 2. To choose all necessary Town officers.

ARTICLE 3. To hear and act upon the report of Town Officers and Committees heretofore appointed.

ARTICLE 4. To see what method the Town will adopt to repair roads and bridges for the ensuing year.

ARTICLE 5. To raise and appropriate such sums of money as may be deemed necessary to defray the Town expenses for the ensuing year, or do anything in relation to the same.

ARTICLE 6. To see if the Town will raise and appropriate the sum of five thousand dollars (\$5,000.00) to extend the macadam road on Boston Road, provided the County and State shall each furnish a similar amount, or do anything in relation to the same.

ARTICLE 7. To authorize the Town Treasurer, with the approval of the Selectmen, to borrow during the municipal year beginning January 1st, 1917, in anticipation of the collection of the taxes of said year, such sums of money as may be necessary for the current expenses of the Town, but not exceeding the total levy of said year, giving the notes of the Town thereof, payable within one

year from the date thereof. All debts incurred under the authority of this vote shall be paid from the taxes of the present municipal year.

ARTICLE 8. To see if the Town will accept Chapter 624 of the Acts of 1910, the same being an Act relative to the appointment of a Town Accountant, or do anything in relation thereto.

ARTICLE 9. To see if the Town will instruct the Treasurer to deposit and keep all securities and trust funds of the Town in a safety deposit vault.

ARTICLE 10. To see if the Town will raise and appropriate the sum of three thousand five hundred dollars (\$3,500.00) to lay water main on causeway on Boston Road from Pumping Station to Treble Cove Road, or do anything in relation to the same.

ARTICLE 11. To see if the Town will raise and appropriate the sum of one hundred and twenty-five dollars (\$125.00) for relaying wall on Pond Street, as decreed by the Middlesex County Commissioners.

ARTICLE 12. To see if the Town will authorize the Selectmen to make a five-year contract with the Lowell Electric Light Corporation to furnish street lights at \$18.00 per light per year, or do anything in relation to the same.

ARTICLE 13. To see if the Town will raise and appropriate the sum of two hundred seventeen dollars and fifty cents (\$217.50) to install fifteen additional lights on the Boston Road between Tufts Lane and the Burlington line, or do anything in relation thereto.

ARTICLE 14. To see if the Town will raise and appropriate the sum of seventy-two dollars (\$72.00) to

install four electric street lights on Allen Road, between Boston Road and Riverdale Road, or do anything in relation thereto.

ARTICLE 15. To see if the Town will instruct the Selectmen to install a sufficient number of street lights on Middlesex Turnpike from Boston Road to Manning Road.

ARTICLE 16. To see what action the Town will take in regard to establishing a Board of Public Works.

ARTICLE 17. To see if the Town will raise and appropriate the sum of one hundred dollars (\$100.00) for the care of the Stearns and Blanchard Brooks, or do anything in relation to the same.

ARTICLE 18. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) to be expended under the direction of the Fire Engineers to compensate Edward A. Barker, who has been permanently disabled in the fire service, or do anything in relation to the same.

ARTICLE 19. To see if the Town will raise and appropriate the sum of four thousand dollars (\$4,000.00) to purchase an auto fire truck for the Fire Department, or do anything in relation to the same.

ARTICLE 20. To see if the Town will appoint a Committee to codify and revise the By-laws, and will raise and appropriate the sum of one hundred dollars (\$100.00) for expense of said Committee.

ARTICLE 21. To see what action the Town will take in regard to increasing the storage capacity of the Water Works by the construction of a new concrete reservoir or steel standpipe.

ARTICLE 22. To see if the Town will raise and appropriate the sum of one thousand four hundred dollars (\$1,400.00) to connect the water main on High Street, or do anything in relation to the same.

ARTICLE 23. To see if the Town will authorize the Selectmen to sell a piece of land, part of the Town Farm, to the Lowell Fertilizer Company, or do anything in relation to the same.

ARTICLE 24. To see if the Town will authorize the Selectmen to sell and convey a sand lot owned by the Town of about one acre on Bedford Road adjoining land now or formerly owned by Charles W. Williamson, for such sum as they may determine, or do anything in relation thereto.

ARTICLE 25. To see what action the Town will take in regard to the construction of a new concrete bridge over the Concord River on River Street.

ARTICLE 26. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) for repairing or reconstructing the Middlesex Turnpike and also a stretch of road known as Pond Land, running about four hundred fifty feet from Lexington Road to Lake Street.

ARTICLE 27. To see if the Town will authorize the Selectmen to sign an agreement to indemnify and save harmless the Commonwealth against all claims for damages by persons whose property will be taken for or injured by the construction of a section of State Highway on Boston Road between the Chelmsford line and Pollard Street, or do anything in relation thereto.

ARTICLE 28. To see what action the Town will take to raise and appropriate the sum of two hundred twenty-

five dollars (\$225.00) for the George Washington Memorial Building, Washington, D. C.

ARTICLE 29. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1,000.00) for building a new bridge to take the place of the present dangerous and unsafe culvert under the Middlesex Turnpike.

ARTICLE 30. To see if the Town will raise and appropriate the sum of two hundred fifty dollars (\$250.00) for the continuation of sidewalk on High Street in the vicinity of Hillcrest, or do anything in relation thereto.

ARTICLE 31. To see what action the Town will take in regard to increasing the office room in the Town Hall.

ARTICLE 32. To see if the Town will raise and appropriate the sum of one thousand five hundred dollars (\$1,500.00) for the Charles H. Kohlrausch Playground, or do anything in relation to the same.

ARTICLE 33. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) for straightening road and removing ledge on High Street in the vicinity of Hillcrest, or do anything in relation thereto.

ARTICLE 34. To see what action the Town will take on the new fire station.

ARTICLE 35. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1,000.00) to curb Fulkner Street in front of Billerica Manufacturing Company and northerly side of Elm Street, or do anything in relation thereto.

ARTICLE 36. To see if the Town will raise and appropriate a sum sufficient for the purpose of replacing

decayed fence railings along as much of the Middlesex Turnpike as runs across the Pond on said Road.

ARTICLE 37. To see if the Town will accept Chadwick Street as a Town Way, or do anything in relation thereto.

ARTICLE 38. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) for repairing or reconstructing Manning Road and render it safe for travel.

ARTICLE 39. To see if the Town will raise and appropriate the sum of five hundred and nine dollars (\$509.00) for bell striker and extension of fire alarm system, or do anything in relation thereto.

ARTICLE 40. To see if the Town will raise and appropriate the sum of fifty dollars (\$50.00) to pay for damage to property of O. L. Greenwood caused by widening Boston Road, or do anything in relation thereto.

ARTICLE 41. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1,000.00) to be used under the direction of the School Committee for the purpose of completing the grading in the rear of the Howe High School and laying out a playground, or do anything in relation to the same.

ARTICLE 42. To see if the Town will borrow money and issue its bonds, notes or script therefor to an amount not exceeding fifteen thousand dollars (\$15,000.00) for the purposes and within the authority of Chapter 357 of the Acts of 1915, entitled "An Act to authorize the Town of Billerica to make an Additional Water Loan" and fix the terms of sale thereof, or do anything in relation thereto.

ARTICLE 43. To see if the Town will purchase additional land for Fox Hill Cemetery and raise and appropriate a sum not exceeding five hundred dollars (\$500.00) for that purpose, or do anything in relation to the same.

ARTICLE 44. To see what action the Town will take in regard to claim of J. J. Evans under contract with Town for laying water pipe on Boston Road in 1913.

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ARTICLE 46. To see if the Town will petition the Lowell Gas Light Company for an extension of their mains to this Town.

ARTICLE 47. To see if the Town will accept the drain on Norman M. McDonald's land between Pollard Road and Boston Road, or do anything in relation to the same.

ARTICLE 48. To see if the Town will accept Twombly Avenue as a Town Way, or do anything in relation thereto.

ARTICLE 49. To see if the Town will accept Pine Street as a Town Way, or do anything in relation thereto.

ARTICLE 50. To see if the Town will vote to install two street lights on Brentham Road and one on Mason Avenue, or do anything in relation thereto.

And you are to serve this Warrant by posting true and attested copies thereof; one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post

Offices of the Town, and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this, the eighth day of January, in the year of our Lord, 1917.

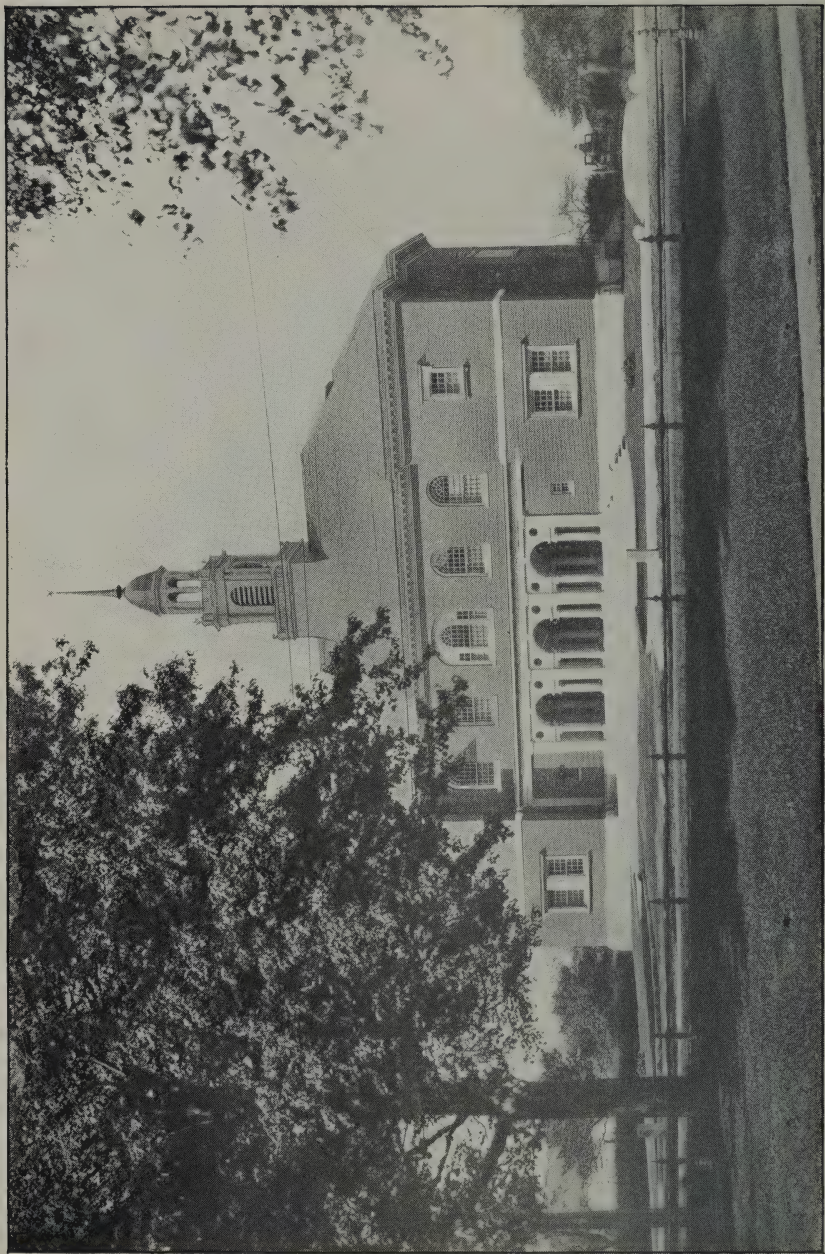
RALPH E. MANNING,
PRESCOTT L. PASHO,
MARTIN CONWAY,

Selectmen of the Town of Billerica.

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TOWN HALL

ANNUAL REPORT

OF THE

TOWN OF BILLERICA



RECEIPTS AND EXPENDITURES

and Reports of the Various Departments for
the Year Ending December 31,

1917

C. I. HOOD CO. PRINTING DEPARTMENT

Lowell, Mass.

January, 1918.

TOWN OFFICERS

Selectmen

PRESCOTT L. PASHO, Chairman
THOMAS TALBOT CLARK, Secretary
MARTIN CONWAY

Town Clerk

ALBERT S. BULL

Town Treasurer

ARTHUR S. COOK

Town Accountant

EVERETT S. BULL

Moderator

CHARLES H. EAMES

Assessors

WILLIAM H. SEXTON, Chairman	EDWARD A. KING
CHARLES H. KEMP	

Overseers of the Poor

RICHARD J. CONWAY, Chairman	COBURN S. SMITH
WARREN HOLDEN	

Auditors

GEORGE P. GREENWOOD, Chairman	RALPH L. DODGE
FREDERICK WAIN	

Board of Health

DR. MAURICE A. BUCK, Chairman	DR. NEIL K. FORHAN
THOMAS A. ELLIS	

School Committee

DR. MAURICE A. BUCK, Chairman	HERBERT L. HOSMER
JOHN FREDERICK GANNON	

Collector of Taxes

GUY M. RICHARDSON (Died)
FRANK R. HOLDEN (Appointed)

Highway Surveyor

EDGAR F. TWOMBLEY

Tree Warden

JOHN W. BOSTWICK (Enlisted)
FRED L. WINSHIP (Appointed)

Cemetery Commissioners

J. NELSON PARKER, Chairman JOHN A. RICHARDSON
HERBERT A. KING

Water Commissioners

BERNARD F. KEARNEY, Chairman WARREN HOLDEN
FRANK L. DAY

School House Sinking Fund Commissioners

JOHN A. RICHARDSON THOMAS TALBOT CLARK
NATHANIEL R. JONES

Town Hall Sinking Fund Commissioners

CHARLES H. EAMES ALBERT H. RICHARDSON
DANA H. SPILLER

Constables, Keepers of the Lock-Up and Field Drivers

HENRY D. LIVINGSTON WILLIAM H. O'BRIEN

Surveyors of Wood and Lumber

JOHN E. ROWELL THOMAS E. SMITH
WILLIAM F. SYMMES VOLUNTINE ROLLINS
HENRY D. LIVINGSTON BERNARD W. KEARNEY
GEORGE E. SIMONDS CHARLES H. MORLEY
CHARLES A. FOSTER GEORGE MOORE
LESLIE W. HAMMOND

Fence Viewers

PRESCOTT L. PASHO THOMAS TALBOT CLARK
MARTIN CONWAY

Engineers of Fire Department

MARK E. ALLEN FRANK L. DAVISON

Board of Registrars

JOHN H. MAHONEY, Chairman ALBERT H. RICHARDSON
JAMES CAMPBELL ALBERT S. BULL (ex-officio)

Cattle Inspector

ALBERT H. JONES

Public Weighers

F. GILBERT MOREY	CHARLES ELWOOD
BERNARD W. KEARNEY	EDWARD B. CARR
DENNIS J. DEWIRE	N. L. ROGERS
MARIE ELWOOD	CHARLES S. NELSON
HERBERT F. JACOBS	B. E. DIMOCK

Superintendent of Town Farm

H. A. BOWERMAN

Forest Warden

MARK E. ALLEN

Sealer of Weights and Measures

JOHN J. RITCHIE

Fish Warden

JOHN M. KENELLY

Park Commissioners

WARREN H. MANNING, Chairman	J. NELSON PARKER
FREDERIC S. CLARK	

REPORT OF TOWN CLERK

WARRANT

Annual Town Meeting, February 10, 1917

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To any Constable in the Town of Billerica:

GREETINGS

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs, to meet at the Town Hall, Billerica, at 6 o'clock A. M., Saturday, February 10, 1917, to bring in their votes on one ballot for the following officers:

Moderator, Town Clerk, Town Treasurer, Three Selectmen, Three Overseers of the Poor, Three Auditors, a Collector of Taxes, a Highway Surveyor, a Tree Warden and Two Constables, all for one year. One Assessor, One Member of the Board of Health, One Member of the School Committee, One Member of the Town Hall Sinking Fund Commission, One Member of the Cemetery Commission, One Member of the Talbot School Sinking Fund Commission, One Member of the Water Commission, and One Member of the Park Commission, all for three years.

Also, to vote on the following question, viz.: "Shall license be granted for the sale of intoxicating liquors in the Town of Billerica?" Yes or No.

Polls may be closed at 4 o'clock P. M.

Also, at 10 o'clock A. M., to meet and act upon the following articles:

ARTICLE 1. To choose a member of the Bowers Fund Committee for a term of five years.

ARTICLE 2. To choose all necessary Town officers.

ARTICLE 3. To hear and act upon the report of Town Officers and Committees heretofore appointed.

ARTICLE 4. To see what method the Town will adopt to repair roads and bridges for the ensuing year.

ARTICLE 5. To raise and appropriate such sums of money as may be deemed necessary to defray the Town expenses for the ensuing year, or do anything in relation to the same.

ARTICLE 6. To see if the Town will raise and appropriate the sum of five thousand dollars (\$5,000.00) to extend the macadam road on Boston Road, provided the County and State shall each furnish a similar amount, or do anything in relation to the same.

ARTICLE 7. To authorize the Town Treasurer, with the approval of the Selectmen, to borrow during the municipal year beginning January 1st, 1917, in anticipation of the collection of the taxes of said year, such sums of money as may be necessary for the current expenses of the Town, but not exceeding the total levy of said year, giving the notes of the Town therefor, payable within one year from the date thereof. All debts incurred under the authority of this vote shall be paid from the taxes of the present municipal year.

ARTICLE 8. To see if the Town will accept Chapter 624 of the Acts of 1910, the same being an Act relative to the appointment of a Town Accountant, or do anything in relation thereto.

ARTICLE 9. To see if the Town will instruct the Treasurer to deposit and keep all securities and trust funds of the Town in a safety deposit vault.

ARTICLE 10. To see if the Town will raise and appropriate the sum of three thousand five hundred dollars (\$3,500.00) to lay water main on causeway on Boston Road from Pumping Station to Treble Cove Road, or do anything in relation to the same.

ARTICLE 11. To see if the Town will raise and appropriate the sum of one hundred and twenty-five dollars (\$125.00) for relaying wall on Pond Street, as decreed by the Middlesex County Commissioners.

ARTICLE 12. To see if the Town will authorize the Selectmen to make a five-year contract with the Lowell Electric Light Corporation to furnish street lights at \$18.00 per light per year, or do anything in relation to the same.

ARTICLE 13. To see if the Town will raise and appropriate the sum of two hundred seventeen dollars and fifty cents (\$217.50) to install fifteen additional lights on the Boston Road between Tufts Lane and the Burlington line, or do anything in relation thereto.

ARTICLE 14. To see if the Town will raise and appropriate the sum of seventy-two dollars (\$72.00) to install four electric street lights on Allen Road, between Boston Road and Riverdale Road, or do anything in relation thereto.

ARTICLE 15. To see if the Town will instruct the Selectmen to install a sufficient number of street lights on Middlesex Turnpike from Boston Road to Manning Road.

ARTICLE 16. To see what action the Town will take in regard to establishing a Board of Public Works.

ARTICLE 17. To see if the Town will raise and appropriate the sum of one hundred dollars (\$100.00) for the care of the Stearns and Blanchard Brooks, or do anything in relation to the same.

ARTICLE 18. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) to be expended under the direction of the Fire Engineers to compensate Edward A. Barker, who has been permanently disabled in the fire service, or do anything in relation to the same.

ARTICLE 19. To see if the Town will raise and appropriate the sum of four thousand dollars (\$4,000.00) to purchase an auto fire truck for the Fire Department, or do anything in relation to the same.

ARTICLE 20. To see if the Town will appoint a Committee to codify and revise the By-laws, and will raise and appropriate the sum of one hundred dollars (\$100.00) for expense of said Committee.

ARTICLE 21. To see what action the Town will take in regard to increasing the storage capacity of the Water Works by the construction of a new concrete reservoir or steel standpipe.

ARTICLE 22. To see if the Town will raise and appropriate the sum of one thousand four hundred dollars (\$1,400.00) to connect the water main on High Street, or do anything in relation to the same.

ARTICLE 23. To see if the Town will authorize the Selectmen to sell a piece of land, part of the Town Farm, to the Lowell Fertilizer Company, or do anything in relation to the same.

ARTICLE 24. To see if the Town will authorize the Selectmen to sell and convey a sand lot owned by the Town of about one acre on Bedford Road adjoining land now or formerly owned by Charles W. Williamson, for such sum as they may determine, or do anything in relation thereto.

ARTICLE 25. To see what action the Town will take in regard to the construction of a new concrete bridge over the Concord River on River Street.

ARTICLE 26. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) for repairing or reconstructing the Middlesex Turnpike and also a stretch of road known as Pond Land, running about four hundred fifty feet from Lexington Road to Lake Street.

ARTICLE 27. To see if the Town will authorize the Selectmen to sign an agreement to indemnify and save harmless the Commonwealth against all claims for dam-

ages by persons whose property will be taken for or injured by the construction of a section of State Highway on Boston Road between the Chelmsford line and Pollard Street, or do anything in relation thereto.

ARTICLE 28. To see what action the Town will take to raise and appropriate the sum of two hundred twenty-five dollars (\$225.00) for the George Washington Memorial Building, Washington, D. C.

ARTICLE 29. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1,000.00) for building a new bridge to take the place of the present dangerous and unsafe culvert under the Middlesex Turnpike.

ARTICLE 30. To see if the Town will raise and appropriate the sum of two hundred fifty dollars (\$250.00) for the continuation of sidewalk on High Street in the vicinity of Hillcrest, or do anything in relation thereto.

ARTICLE 31. To see what action the Town will take in regard to increasing the office room in the Town Hall.

ARTICLE 32. To see if the Town will raise and appropriate the sum of one thousand five hundred dollars (\$1,500.00) for the Charles H. Kohlrausch Playground, or do anything in relation to the same.

ARTICLE 33. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) for straightening road and removing ledge on High Street in the vicinity of Hillcrest, or do anything in relation thereto.

ARTICLE 34. To see what action the Town will take on the new fire station.

ARTICLE 35. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1,000.00) to curb Faulkner Street in front of Billerica Manufacturing Company and northerly side of Elm Street, or do anything in relation thereto.

ARTICLE 36. To see if the Town will raise and appropriate a sum sufficient for the purpose of replacing

decayed fence railings along as much of the Middlesex Turnpike as runs across the Pond on said Road.

ARTICLE 37. To see if the Town will accept Chadwick Street as a Town Way, or do anything in relation thereto.

ARTICLE 38. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) for repairing or reconstructing Manning Road and render it safe for travel.

ARTICLE 39. To see if the Town will raise and appropriate the sum of five hundred and nine dollars (\$509.00) for bell striker and extension of fire alarm system, or do anything in relation thereto.

ARTICLE 40. To see if the Town will raise and appropriate the sum of fifty dollars (\$50.00) to pay for damage to property of O. L. Greenwood caused by widening Boston Road, or do anything in relation thereto.

ARTICLE 41. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1,000.00) to be used under the direction of the School Committee for the purpose of completing the grading in the rear of the Howe High School and laying out a playground, or do anything in relation to the same.

ARTICLE 42. To see if the Town will borrow money and issue its bonds, notes or script therefor to an amount not exceeding fifteen thousand dollars (\$15,000.00) for the purposes and within the authority of Chapter 357 of the Acts of 1915, entitled "An Act to authorize the Town of Billerica to make an Additional Water Loan" and fix the terms of sale therefor, or do anything in relation thereto.

ARTICLE 43. To see if the Town will purchase additional land for Fox Hill Cemetery and raise and appropriate a sum not exceeding five hundred dollars (\$500.00) for that purpose, or do anything in relation to the same.

ARTICLE 44. To see what action the Town will take in regard to claim of J. J. Evans under contract with Town for laying water pipe on Boston Road in 1913.

ARTICLE 45. To see if the Town will raise and appropriate the sum of two thousand five hundred dollars (\$2,500.00) to macadamize Lowell Street from Perry's Corner to Sprague Bridge, or do anything in relation thereto.

ARTICLE 46. To see if the Town will petition the Lowell Gas Light Company for an extension of their mains to this Town.

ARTICLE 47. To see if the Town will accept the drain on Norman M. McDonald's land between Pollard Road and Boston Road, or do anything in relation to the same.

ARTICLE 48. To see if the Town will accept Twombly Avenue as a Town Way, or do anything in relation thereto.

ARTICLE 49. To see if the Town will accept Pine Street as a Town Way, or do anything in relation thereto.

ARTICLE 50. To see if the Town will vote to install two street lights on Brentham Road and one on Mason Avenue, or do anything in relation thereto.

And you are to serve this Warrant by posting true and attested copies thereof; one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post Offices of the Town, and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this, the eighth day of January, in the year of our Lord, 1917.

RALPH E. MANNING,
PRESCOTT L. PASHO,
MARTIN CONWAY,

Selectmen of the Town of Billerica.

Billerica, Mass., February 10th, 1917.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON,
Constable.

Under this Warrant the following vote was cast:

Selectmen

Thomas Talbot Clark.....	428
Martin Conway	366
Prescott L. Pasho.....	385
Thomas F. M. Sheridan.....	313
Andrew P. Sousa.....	153
Blanks	308

Assessors

Edward A. King.....	343
William H. Hutchins.....	241
Blanks	67

Overseers of the Poor

Richard J. Conway.....	487
Warren Holden	447
Colburn S. Smith.....	465
Blanks	550
E. S. Bull.....	1
J. H. Stearns.....	1
John H. Verner.....	1
Isaac Hopkinson	1

Moderator

Charles H. Eames.....	484
Blanks	161
John Richardson	6

Town Clerk

Albert S. Bull.....	385
Forrest F. Collier.....	247
Blanks	19

Town Treasurer

Forrest F. Collier.....	292
Arthur S. Cook.....	332
Blanks	27

Collector of Taxes

Guy M. Richardson.....	493
Blanks	158

Surveyor of Highways

Harry W. Essex.....	274
Edgar F. Twombly.....	363
Blanks	14

Constables

Henry D. Livingston.....	479
William H. O'Brien.....	478
Blanks	343
William Phair	1
Eliot French	1

School Committee (3 years)

Herbert B. Hosmer.....	466
Blanks	186
Roland Wright.....	1

Auditors

Ralph L. Dodge.....	435
George P. Greenwood.....	439
Frederic Wain	431
Blanks	647
Harold Tivey	1

Town Hall Sinking Fund Commissioner (3 years)

Albert H. Richardson.....	466
Blanks	183
Walter J. Hutchins.....	1
Eugene Stowell	1

Water Commissioner (3 years)

Frank L. Day.....	321
Isaac Hopkinson.....	265
Blanks	65

School House Loan Sinking Fund Commissioner (3 years)

John A. Richardson.....	466
Blanks	185

Cemetery Commissioner (3 years)

Herbert A. King.....	408
Blanks	242
Isaac Hopkinson	1

Tree Warden

John William Bostwick.....	333
D. Fred Reardon.....	274
Blanks	44

Board of Health (3 years)

Thoms A. Ellis.....	464
Blanks	187

Park Commissioner (3 years)

Frederic S. Clark.....	456
Blanks	195

**Shall License be Granted for the Sale of Intoxicating Liquors
in this Town?**

Yes	172
No	423
Blanks	56

Report of Precinct Clerk

Polls opened at 6 a. m. All officers present. Ballot box did not register. Opened ballot box at 7.30 a. m. and commenced to count. Polls closed at 4 p. m. with six hundred fifty-one male ballots and two women's votes for School Committee. Supper served at 5.30 p. m. Count completed at 6.45 p. m. and the result of the count announced by the Moderator.

CHARLES A. WRIGHT,
Precinct Clerk.

Precinct Officers:

Dennis J. Mahoney, Warden.
 Edward T. Riley, Deputy Warden.
 Charles A. Wright, Clerk.
 Alden B. Richardson, Deputy Clerk.
 Everett S. Bull, Inspector.
 Charles H. Bailey, Deputy Inspector.
 Michael H. McElligott, Inspector.
 Timothy McCarthy, Deputy Inspector.

The following action was taken:

Article 1. On motion of F. H. Alexander, Mr. Warren Holden was chosen a member of the Bowers' Fund Committee for a term of five years.

Article 2. Chose the Constables as Field Drivers.

Chose the Selectmen as Fence Viewers.

Chose as Measurers of Wood and Lumber: John E. Rowell, W. F. Symmes, B. W. Kearney, George E. Simonds, Charles A. Foster, Henry D. Livingston, Charles E. Morley, Voluntine Rollins, Thomas E. Smith, George E. Moore, Leslie W. Hammond.

Article 3. Billerica, Mass., Jan. 15, 1917. The Committee appointed under Article 23 at the Annual Town Meeting of 1916 to look into the requirements in laying out and accepting town ways report that:

The Board of Survey Act, Chapter 191 of the Acts of 1907, provides that no street or way shall become public until its lines have been approved by the Board of Survey, which in this Town is the Board of Selectmen.

The first step is a petition to the Board of Survey for approval, and a plan and profile must be furnished showing the location of the proposed street.

Board of Survey approval does not give the Town either right or responsibilities in roads so approved until they are laid out and accepted as public streets.

The second step is a petition to the Selectmen to lay out such proposed street and present such petition to the Town for acceptance.

It is for the Selectmen and the Town to determine who shall bear the cost of constructing proposed streets, and the committee is of the opinion that forty foot streets are built almost entirely for the benefit of the land through which they pass, and should be put into good condition for public travel before they are accepted by the Town. Streets over forty feet wide are intended as main highways, and are more or less for the advantage of others. If constructed full width a portion of the expense should be borne by the Town.

E. P. SELLEW,
 FORREST F. COLLIER,
 C. H. WILLIAMS,
 HERBERT A. KING,
 FRANK A. FITZGERALD.

The Committee appointed at the last Annual Town Meeting to consider the advisability of the purchase of a fire truck have examined the present condition of the Billerica Fire Department with reference to its equipment, and beg leave to submit the following report:

Conditions are such in the Town that it is not possible to hire horses that can be depended upon at the time of the fire to draw the

present apparatus. Of course the law permits the officials of the department to requisition horses, but it is not advisable, nor is it a business proposition to operate a department on this basis. Furthermore, the Town covers considerable area, and a large majority of the fires are at some distance from the station where the apparatus is kept, and your Committee believes that at the present time the Town should consider seriously the purchase of a motor-driven truck. There is an Article in the Warrant for this year calling for an appropriation of \$4,000.00 for the purchase of such truck and the appointment of a committee to make the purchase. At the time this Article was inserted the equipment under consideration consisted of a motor-driven chemical having equipment of two 40-gallon chemical tanks with the requisite small hose for the operation of such part of the apparatus, also an additional 1,200 of 2½ hose, besides hand extinguishers, roof ladder and extension ladder. It is possible also to carry from five to seven men. Such apparatus could be purchased in the market for approximately \$4,000.00, we believe. Since the Article was inserted in the Warrant your Committee has learned of another type of truck, which seems to meet the conditions of fire lighting in small towns much more effectively. This is a type of truck which carries not only the equipment as mentioned above, but also a rotary pump operated from the engine. This equipment, while costing more, has the advantage of a water pump which can be brought into play when the chemical is exhausted, and your Committee believe that such equipment would be very effective in the out-laying districts of the town where brooks, meadows, rivers and even local wells are available. The Committee would recommend that the Town authorize a committee to consider the purchase of such apparatus and appropriate the amount of \$5,700.00.

With such apparatus the number of men required in the Fire Department could be materially reduced, thus saving an annual expense of the department. It is considered that five men would be sufficient to operate the truck, and that a company of ten men would be necessary to operate the apparatus of any one company. It is highly advisable that in appropriating this amount for a truck of this sort that the Town also consider the immediate necessity of building a new fire station, money for which has already been appropriated, as it is imperative that a station of proper construction and equipment should be ready to receive a truck of this sort, otherwise a great deal of the benefit to be derived from the truck would be lost.

Respectfully submitted,

● RALPH E. MANNING,
PRESCOTT L. PASHO,
MARTIN CONWAY,
ERNEST N. BARTLETT,
CHARLES H. EAMES.

Article 4. Moved and voted that we adopt the same method as last year.

Article 5. Appropriations were made as follows:

Constables, Janitors and Police.....	\$ 3,500.00
Incidentals	1,000.00
Maintenance of Public Buildings.....	1,500.00
Common and Town Pump.....	100.00
Treasurer's and Collector's Bonds.....	290.00
Insurance	1,300.00

Interest	1,250.00
Indexing Records	50.00
Printing	750.00
Street Lighting	2,800.00
Memorial Day	125.00
Assessors' Special	150.00
Schools	35,000.00
Medical Inspection of Schools.....	500.00
Board of Health Expenses.....	600.00
Highway Repairs	5,000.00
Bridges	300.00
Sidewalks	300.00
Town Farm	4,000.00
Outside Relief	1,000.00
Moth	2,338.08
Elm Beetle	300.00
Tree Warden	200.00
Fire Department	6,000.00
Cemeteries	1,000.00
Parks	150.00
Hydrants	4,125.00
Town Notes	10,500.00
Sinking Fund and Bond Interest (Town Hall).....	2,000.00
High School Bond Interest.....	3,420.00
Sinking Fund and Bond Interest (School House).....	1,750.00
Sinking Fund, Water Bonds.....	1,800.00
Salaries:	
Selectmen	600.00
Assessors	900.00
Overseers	400.00
School Committee	180.00
Town Clerk	300.00
Town Treasurer	400.00
Tax Collector	600.00
Election Officers	300.00
Fish Warden	10.00
Auditors	150.00
Sealer of Weights and Measures.....	100.00
Registrars of Voters.....	200.00
Board of Health.....	150.00
Cattle Inspector	100.00
Forest Warden	100.00
Water Department (Maintenance and Interest Charges)	14,000.00

On the motion of F. S. Clark it was voted in the affirmative that the appropriation for the Fire Department be for salaries, equipment and extension of service.

Article 6. Voted in the affirmative that \$5,000.00 be raised and appropriated for macadam on Boston Road, provided the State and County each contribute a like sum.

Article 7. It was unanimously voted that the Town Treasurer be and hereby is authorized, with the approval of the Selectmen, to borrow temporarily in anticipation of the revenue of the current year a sum not exceeding the total tax levy for said year, giving the note or notes of the Town for money so borrowed. Such note or notes to be payable within one year from the date thereof and from the revenue of 1917.

Article 8. It was affirmatively voted that the Town accept Chapter 624 of the Acts of 1910 and employ a Town Accountant. Also that the Town instal the State system of accounting and raise and appropriate the sum of \$600.00 to pay said accountant.

Article 9. It was unanimously voted in the affirmative that the Town place all the securities and Bank books belonging to its Trust Funds in a safety deposit vault under the joint care of two Town officers.

Article 10. That a committee of three be appointed to consider the matter and report to the Town as soon as possible. Also that \$300.00 be raised and appropriated for the use of this committee.

Article 11. Voted in the affirmative that \$125.00 be raised and appropriated to relay wall on Pond Street.

Article 12. Mr. E. P. Sellew moved that the Selectmen be authorized to make a contract with the Lowell Electric Light Corporation for five years to furnish street lights at \$18.00 per light per year. This was voted in the affirmative.

Article 13. On motion of Mr. Rogers it was voted that the Town raise and appropriate \$217.50 to instal 15 additional lights on the Boston Road between Tufts Lane and the Burlington line.

Article 14. It was voted that this matter be left to the Selectmen.

Article 15. It was voted that this matter be left to the Selectmen.

Article 16. On motion of Mr. Alexander it was voted in the affirmative that a committee be appointed to consider the matter of a Board of Public Works and also of a Town Manager and report at the next Annual Meeting.

Article 17. It was voted to raise and appropriate \$100.00 for the care of Stearns and Blanchard Brooks.

Article 18. Voted in the affirmative that we raise and appropriate \$300.00 for the purpose named in this Article.

Article 19. Moved and voted in the affirmative that we raise and appropriate \$5,700.00 for the purchase of an auto fire truck. Also that a committee of three be appointed to purchase the truck.

Article 20. Moved and voted in the affirmative that a committee of three be appointed to revise and codify the Town By-laws and that \$100.00 be raised and appropriated for the expenses of said committee.

Article 21. Referred to same committee as appointed under Article 10.

Article 22. Moved and voted that this be laid over until next year.

Article 23. Moved and voted in the affirmative that the Selectmen be authorized and instructed to sell and convey Town Farm land if they can secure suitable protection for the Town.

Article 24. Moved and voted that the Selectmen be authorized and instructed to sell and convey Town land on Bedford Road.

Article 25. Moved and voted in the affirmative that a committee of three be appointed, one by each member of the Board of Selectmen, and that \$300.00 be raised and appropriated for the use of this committee.

Article 26. Moved and voted in the affirmative that a committee of three be appointed and that \$500.00 be raised and used by said committee to prepare plans and specifications for repairing Middlesex Turnpike across Nuttings Pond. Also that \$2,000.00 be raised and appropriated for immediate use in repairing said Turnpike Road.

Article 27. Moved and voted in the affirmative that the Select-

men be authorized and instructed to sign an agreement as named in this Article.

Article 28. This Article was dismissed.

Article 29. This Article was dismissed.

Article 30. Moved and voted that the appropriation of 1916 be expended this year, and that \$250.00 be raised and appropriated to be spent on the westerly end of High Street.

Article 31. That a committee of three be appointed to report at the next Town Meeting.

Article 32. Moved and voted in the affirmative that \$500.00 be raised and appropriated for work on the Kohlrausch Playground.

Article 33. Dismissed.

Article 34. Moved and voted in the affirmative that a committee appointed under Article 19 be authorized to purchase a site and build a fire station, and to expend the sum of \$7,400.00 available for that purpose.

Article 35. Moved and voted in the affirmative that \$650.00 be raised and appropriated for the purpose named in this Article, provided the abutters pay one-half the cost of construction.

Article 36. Dismissed.

Article 37. Moved and voted in the affirmative that the Town accept Chadwick Street as a Town way if the Street is in condition to be accepted.

Article 38. Dismissed.

Article 39. Moved and voted in the affirmative that the Town appropriate \$509.00 for a bell striker and extension of Fire Alarm System, to be paid out of 1917 Fire Department Appropriation.

Article 40. Moved and voted in the affirmative that \$50.00 be raised and appropriated for the purpose named in this Article.

Article 41. Moved and voted in the affirmative that \$1,000.00 be raised and appropriated to be expended by the School Committee on the grounds in the rear of the Howe High School.

Article 42. The Moderator appointed as tellers C. D. Tutein, Rev. Mr. Walsh, B. F. Harding. Sworn by the Town Clerk.

It was unanimously voted in the affirmative that the Town issue bonds to the amount of fifteen thousand dollars (\$15,000.00) for the purpose and within the authority of Chapter 357 of the Acts of 1915 entitled "An Act to Authorize the Town of Billerica to make an additional Water Loan," in such form as the Treasurer of the Town and the Selectmen may determine. The same to be in denominations of one thousand dollars (\$1,000.00) each, maturing one each year from 1918 to 1932 inclusive of both, so that the whole principal amount of said bonds shall be paid and extinguished within fifteen (15) years from the date thereof. The said bonds shall bear interest at the rate of four (4) per centum per annum, payable semi-annually to the bearer of the interest coupons annexed to the bonds upon presentation and surrender thereof as they severally become due. Said bonds shall be denominated on the face thereof "Town of Billerica Water Loan Act of 1915." Shall be signed by the Treasurer of the Town and countersigned by the Board of Selectmen and bear the seal of the Town. Said bonds may be sold by the Treasurer at not less than par at public or private sale.

Also that the Town raise and appropriate the sum of one thousand (\$1,000.00) dollars in the year 1918 and each and every year thereafter until the bonds of the Town issued pursuant to the vote this day under Article 42 are paid in full.

Moved and voted affirmatively that all extensions amounting to over \$1,000.00 be referred to the Town for approval. All lesser

appropriations be made in accordance with the judgment of the Water Commission.

Article 43. Moved and voted in the affirmative that the Cemetery Commissioners be authorized and instructed to purchase additional land for the Fox Hill Cemetery, and that \$500.00 be raised and appropriated for that purpose.

Article 44. Moved and voted in the affirmative that the matter contained in this Article be referred to the Selectmen with authority to employ counsel, and that \$1,000.00 be raised and appropriated to be spent, if necessary, in defense or settlement of this matter.

Article 45. Dismissed.

Article 46. Moved and voted affirmatively that the Town of Billerica petition the Lowell Gas Light Co. to extend its gas mains to Billerica, and that a committee of three be appointed by the Moderator to co-operate with the Lowell Gas Light Co. in getting the signature of a sufficient number of takers to induce the Company to make the extension without any financial obligation on the part of the Town.

Article 47. Dismissed.

Article 48. Moved and voted affirmatively that the Town accept Twombly Avenue as a Town Way and place the street lights thereon.

Article 49. Moved and voted in the affirmative that Pine Street be accepted as a Town Way if found to be in the proper condition.

Article 50. Moved and voted in the affirmative that this matter be left to the Selectmen.

On motion of Rev. Mr. Walsh it was unanimously voted that a rising vote of thanks be extended to the High School Building Committee.

On vote of Mr. Smith a unanimous vote of thanks was extended to the Moderator for his efficient and impartial service.

On motion of F. S. Clark a rising vote of thanks was given Herbert A. King for his long and faithful service as Town Clerk and Treasurer.

Adjourned.

Attest:

HERBERT A. KING, Town Clerk.

The Moderator appointed the following committees:

Committee to consider the installation of water main on Causeway and construction of auxiliary stand-pipe: B. W. Kearney, Albert H. Richardson, Nathaniel R. Jones.

Committee to report on advisability of establishing a Board of Public Works or Town Manager: T. Frank Lyons, Philip Scott, B. O. Sanford.

Committee to purchase fire truck and to build fire station: Ralph E. Manning, John A. Richardson, Ernest N. Bartlett.

Committee to codify By-laws: Herbert A. King, Thomas Sheridan, Albert S. Bull.

Committee to consider repairs on Turnpike across Nuttings Pond: E. P. Sellew, George P. Greenwood, Alexander H. Mitchell.

Committee to consider plans for additional office room at Town Hall: J. Nelson Parker, Frederic S. Clark, Herbert A. King.

Committee to co-operate with the Lowell Gas Light Co. to induce extension to Billerica: Charles H. Williams, Everett S. Bull, Patrick J. Mahoney.

Attest:

ALBERT S. BULL, Town Clerk.

Finance Committee for 1917 as appointed by the Moderator: A. H. Mitchell, Frank L. Day, Frank H. Alexander, John A. Richardson, George P. Greenwood, Forrest F. Collier, Edgar P. Sellew, Charles H. Williams, Harold T. Nowell, Ivory M. Hanson, Albert H. Jones, Arthur C. Barker; Prescott L. Pasho, Martin Conway, Thomas Talbot Clark, Charles H. Eames, Arthur S. Cook, Albert S. Bull, ex-officio.

Attest:

ALBERT S. BULL,
Town Clerk.

WARRANT

Primary, April 3, 1917.

THE COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To either of the Constables of the Town of Billerica :

GREETING :

In the name of the Commonwealth you are hereby required to notify and warn the inhabitants of said Town who are qualified to vote in Primaries to meet in Precinct 1, Town Hall, and Precinct 2, Union Hall, Tuesday, the third day of April, 1917, at 2 o'clock P. M., for the following purposes :

To bring in their votes to the Primary Officers for the Nomination of Candidates for Delegate to the Constitutional Convention.

32 Delegates at Large.

8 Delegates from Congressional District, Fifth Congressional District.

2 Delegates from Representative District, Seventeenth Middlesex Representative District.

All the above candidates are to be voted for upon one ballot.

Each voter may vote only for Sixteen Candidates at Large, Four Candidates by Congressional District, and One by Representative District.

The polls will be open from 2 P. M. to 8 P. M.

And you are directed to serve this Warrant by posting attested copies thereof eight days at least before the time of said meeting as directed by vote of the Town.

Hereof fail not and make return of this Warrant, with your doings thereon, at the time and place of said meeting.

Given under our hands this twenty-first day of
March, A. D. 1917.

PRESCOTT L. PASHO,
THOMAS TALBOT CLARK,
MARTIN CONWAY,
Selectmen of Billerica.

Billerica, Mass., April 3, 1917.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON,
Constable.

Under this Warrant the following vote was cast:

Delegates at Large

	Prec. 1.	Prec. 2.	Total.
Charles Francis Adams.....	89	121	210
George W. Anderson.....	28	63	91
William G. Andrew.....	17	40	57
Albert S. Apsey.....	57	66	123
Charles J. Barton	48	81	129
John L. Bates.....	84	98	182
Addison P. Beardsley.....	11	25	36
William H. Brooks.....	53	74	127
Walter A. Buie.....	11	27	38
Harvey S. Chase.....	22	44	66
Charles F. Choate, Jr.....	60	83	143
Charles W. Clifford.....	47	70	117
George W. Coleman.....	29	59	88
Louis A. Coolidge.....	60	99	159
John W. Cummings.....	43	91	134
Edwin U. Curtis.....	58	78	136
Samuel R. Cutler.....	8	18	26
Arthur W. DeGoosh.....	6	6	12
Daniel E. Denny.....	6	23	29
Daniel R. Donovan.....	11	52	63
George H. Doty.....	16	20	36
Hugh P. Drysdale.....	3	15	18
Frank E. Dunbar.....	76	106	182
Samuel J. Elder.....	67	62	129
Wilmot R. Evans, Jr.	41	48	89
Eugene N. Foss.....	34	50	84
Harry A. Garfield.....	19	34	53
Ralph W. Gloag.....	3	8	11
Matthew Hale	38	55	93
Arthur D. Hill.....	17	32	49
Walter S. Hutchins.....	9	22	31
Patrick H. Jennings.....	10	49	59

	Prec. 1.	Prec. 2.	Total.
Lewis J. Johnson.....	14	24	38
Abbott Lawrence Lowell.....	72	102	174
Nathan Matthews	46	66	112
James T. Moriarty.....	13	42	55
Joseph C. Pelletier.....	22	58	80
Josiah Quincy	51	82	133
Clarence W. Rowley.....	6	13	19
John Weaver Sherman.....	12	28	40
James A. Stiles.....	10	17	27
Moorfield Storey	23	21	44
Charles B. Strecker.....	11	27	38
Wendell Philips Thore.....	9	14	23
Whitfield L. Tuck.....	7	17	24
Joseph Walker	27	53	80
David L. Walsh.....	26	96	122
Robert M. Washburn.....	15	35	50
Sherman L. Whipple.....	39	59	98
Lombard Williams	9	34	43
George H. Wrenn.....	9	47	56
Blanks	808	989	1797

Delegates from 17th Middlesex Representative District

	Prec. 1.	Prec. 2.	Total.
Maurice A. Buck.....	112	162	274
Warren W. Fox.....	11	5	16
John W. Hathaway.....	1	3	4
Charles H. Williams.....	15	43	58
Blanks	6	9	15

Ballots cast in Precinct 1, 145.

Ballots cast in Precinct 2, 222.

Total, 367.

REPORT OF PRECINCT CLERK.

Constitutional Convention Primary.

Billerica, Mass., April 3, 1917.

Polls opened at 2 o'clock with seven precinct officers present. Philip Dolan was absent. Polls closed at 8 o'clock. Total vote cast, 145.

MICHAEL H. McELLIGOTT,
Clerk.

Constitutional Convention Primary.

Precinct 2.

April 3, 1917.

Polls opened at 2 o'clock.

The following precinct officers were present:

Clerk, Guy M. Richardson.

Deputy Clerk, Frederick G. Brown.

Warden, Dennis J. Mahoney.

Deputy Warden, Timothy J. McCarthy, Jr.

Inspector, Charles H. Bailey.

Deputy Inspector, Frank Walker.

Deputy Inspector, Edward T. Riley.

Daniel Fitzpatrick was not present, and John J. McSweeney was substituted and was sworn in by Dennis J. Mahoney, Warden.

James T. White came to vote and his name was not on the list, and he was not allowed to vote.

The following names were added to the check list by order of Town Clerk Albert S. Bull: Arthur J. LeLacheur, Paul J. LeLacheur, Jesse O. Ferrin, Fred C. Peters, Fred St. John, Harold E. Tivey, Thomas H. Conway, Frederick O'Hara, Joseph G. Brodeur, Albert Leranger, Oscar Olson, Joseph Hand, Daniel W. Sanborn.

Polls closed at 8 o'clock p. m. . •

Votes received, 550.

Votes cast, 222.

Votes returned, 328.

GUY M. RICHARDSON,
Clerk.

Attest:

ALBERT S. BULL,
Town Clerk.

WARRANT

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To any Constable of the Town of Billerica:

GREETINGS:

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica qualified by law to vote in elections and Town affairs, to meet at Precinct 1, Town Hall, Billerica Centre, at 6 o'clock A. M.; Precinct 2, Union Hall, North Billerica, at 6 o'clock A. M., Tuesday, May 1, 1917, to bring in their votes on one ballot for Delegates to the Constitutional Convention:

Sixteen Delegates at Large.

Four Delegates from Congressional District, Fifth Congressional District.

One Delegate from Representative District, Seventeenth Middlesex Representative District.

The polls may close at 4 o'clock P. M.

And you are directed to serve this Warrant by posting attested copies thereof, one copy at the Town Hall, one copy at Union Hall, one copy in each of the Post Offices of the Town, and one copy at ten or more public and conspicuous places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this twentieth day of April, in the year of our Lord, nineteen hundred and seventeen.

PRESCOTT L. PASHO,

THOMAS TALBOT CLARK,

MARTIN CONWAY,

Selectmen of the Town of Billerica.

Billerica, Mass., May 1, 1917.

I have served the above Warrant as herein directed.

HENRY D. LIVINGSTON,

Constable.

Under this Warrant the following vote was cast:

Delegates at Large

	Prec. 1.	Prec. 2.	Total.
Charles Francis Adams.....	187	162	349
George W. Anderson.....	87	122	209
Albert S. Apsey.....	131	101	232
Charles J. Barton.....	135	119	254
John L. Bates.....	148	134	282
William H. Brooks.....	122	106	228
Walter A. Buie.....	42	78	120
Charles F. Choate, Jr.....	126	114	240
Charles W. Clifford.....	121	97	218
George W. Coleman.....	82	120	202
Louis A. Coolidge.....	138	122	260
John W. Cummings.....	125	164	289
Edwin U. Curtis.....	152	122	274
Daniel R. Donovan.....	48	117	165
Frank E. Dunbar.....	158	158	316
Samuel J. Elder.....	131	96	227
Wilnot R. Evans, Jr.....	92	83	175
Eugene N. Foss.....	94	97	191
Matthew Hale.....	79	133	212
Arthur D. Hill.....	56	98	154
Patrick H. Jennings.....	39	112	151
Abbott Lawrence Lowell.....	146	129	275
Nathan Matthews.....	96	100	196
James T. Moriarty.....	38	103	141
Joseph C. Pelletier.....	65	117	182
Josiah Quincy.....	91	123	214
Moorfield Storey.....	109	87	196
Charles B. Strecker.....	45	70	115
Joseph Walker.....	75	108	183
David I. Walsh.....	85	147	232
Sherman L. Whipple.....	97	109	206
George H. Wrenn.....	52	108	160
Blanks.....	1644	1144	2788

Delegates from 5th Congressional District (Vote for Four)

Chester W. Clark.....	180	154	334
John W. Daly.....	68	146	214
Edward Fisher.....	141	142	283
Hamlet S. Greenwood.....	137	144	281
James Wilson Grimes.....	98	87	185
H. Harding Hale.....	95	80	175
William Odlin.....	77	75	152
Blanks.....	412	372	784

Delegate from the 17th Representative District (Vote for One)

	Prec. 1.	Prec. 2.	Total.
Maurice A. Buck.....	258	258	516
Warren W. Fox.....	39	34	73
Pat Delehanty.....	1	1	2
Blanks.....	5	7	12

Ballots cast in Precinct 1, 302.

Ballots cast in Precinct 2, 300.

Total, 602.

REPORT OF PRECINCT CLERK.**Constitutional Convention Election.**

Billerica, Mass., May 1, 1917.

Polls opened at 6 o'clock, with six precinct officers present. The seventh officer arrived in a short time.

A motion was made and passed that the polls remain open until 8 o'clock.

A full quota of precinct officers on duty.

Polls closed at 8 o'clock. Total vote, 302.

MICHAEL H. McELLIGOTT,
Clerk.

CONSTITUTIONAL CONVENTION ELECTION.**Precinct No. 2.**

Union Hall, North Billerica, Mass., Tuesday, May 1, 1917.

Polls opened at 6 o'clock a. m.

The following election officers were present:

Clerk, Guy M. Richardson.

Deputy Clerk, Frederick G. Brown.

Warden, Dennis J. Mahoney.

Deputy Warden, Timothy J. McCarthy, Jr.

Inspector, Charles H. Bailey.

Deputy Inspector, Frank Walker.

Deputy Inspector, Edward T. Riley.

Inspector Daniel Fitzpatrick was not present, and John Joseph McSweeney was substituted.

Thomas Howard Conway's name was not on the voting list, but was allowed to vote by order of Town Clerk, Albert S. Bull, and his name was added to the voting list.

Polls closed at 8 o'clock p. m.

Total vote received, 550.

Total votes cast, 300.

Total votes returned, 250.

GUY M. RICHARDSON,
Clerk.

Attest:

ALBERT S. BULL,
Town Clerk.

WARRANT FOR Special Town Meeting

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, ss.

To any Constable in the Town of Billerica:

GREETING:

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs, to meet at the Town Hall, Billerica, at 2 o'clock P. M., Saturday, June 30, 1917, to act upon the following Articles:

ARTICLE 1. To hear the report of any committee heretofore chosen, and to pass any vote in relation to the same.

ARTICLE 2. To see if the Town will raise and appropriate three hundred dollars (\$300.00) for repair of bridges, or do anything in relation to the same.

ARTICLE 3. To see if the Town will raise and appropriate one hundred and seven dollars (\$107.00) for salaries of election officers, or do anything in relation thereto.

ARTICLE 4. To see if the Town will raise and appropriate four hundred dollars (\$400.00) for the Incidental Account, or do anything in relation to the same.

ARTICLE 5. To see if the Town will raise and appropriate nine hundred dollars (\$900.00) for street lighting, or do anything in relation thereto.

ARTICLE 6. To see if the Town will raise and appropriate two thousand dollars (\$2,000.00) for highway repairs, or do anything in relation thereto.

ARTICLE 7. To see if the Town will raise and appropriate six thousand dollars (\$6,000.00) for Water

Department maintenance, or do anything in relation thereto.

ARTICLE 8. To see if the Town will raise the pay of the Highway Department from \$2.40 to \$2.75 per day, or do anything in relation to the same.

ARTICLE 9. To see if the Town will fix the term of office for the members of the Fire Department at one year from January 1st, and terminate the current term of office of members of the Fire Department on January 1st, 1918.

ARTICLE 10. To see if the Town will raise and appropriate fifteen hundred dollars (\$1,500.00) for Fire Department maintenance, or do anything in relation thereto.

ARTICLE 11. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1,000.00) to extend the macadam road on Boston Road, provided the County and State shall each furnish a similar amount, or do anything in relation to the same.

ARTICLE 12. To see if the Town will vote to abolish the offices of Auditors on December 31st, 1917, or do anything in relation thereto.

ARTICLE 13. To see if the Town will raise and appropriate the sum of two thousand dollars (\$2,000.00) to be used by the Park Commissioners for the purpose of improving the Chas. H. Kohlrausch, Jr. Playground, or do anything in relation thereto.

ARTICLE 14. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1,000.00) to provide more office room in the Town Hall, or do anything in relation thereto.

ARTICLE 15. To see if the Town will raise and appropriate the sum of four hundred dollars (\$400.00) to be used in conjunction with the appropriation of three hundred dollars (\$300.00) made at the last Annual Meeting for repairs on the River Street Bridge, or do anything in relation to the same.

ARTICLE 16. To see if the Town will raise and appropriate the sum of fifty-four dollars (\$54.00) to instal three street lights along the Chelmsford Road between its junction with the Rangeway Road and the Manning Manse, or do anything in relation thereto.

ARTICLE 17. To see if the Town will raise and appropriate the sum of two hundred and forty-five dollars (\$245.00) to pay for damages caused by widening Boston Road, to be distributed in accordance with the decree of the Middlesex County Commissioners dated January 4th, 1916, as follows:

To Harry J. Pasho, fifty dollars (\$50.00).

Olga L. Greenwood, twenty-five dollars (\$25.00).

Susan J. Dolaher, ten dollars (\$10.00).

Margaret J. Rogers, twenty-five dollars (\$25.00).

Frederic A. R. Mixon, twenty-eight dollars (\$28.00).

Eliza B. Mixon, one hundred and seven dollars (\$107.00).

ARTICLE 18. To see if the Town will raise and appropriate the sum of two hundred dollars (\$200.00) to pay Percy G. Dockham for damages caused by relaying the walls on Pond Street, or do anything in relation to the same.

ARTICLE 19. To see if the Town will raise and appropriate the sum of two thousand dollars (\$2,000.00) to repair and paint the standpipe, or do anything in relation thereto.

ARTICLE 20. To see if the Town will appropriate the sum of three thousand dollars (\$3,000.00) to extend the water mains in Billerica Garden Suburbs, Inc., or do anything in relation to the same.

ARTICLE 21. To see if the Town will appropriate the sum of four thousand dollars (\$4,000.00) to connect the water mains on Boston Road between Pumping Station and Treble Cove Road, or do anything in relation to the same.

ARTICLE 22. To see if the Town will appropriate the sum of two thousand dollars (\$2,000.00) to connect the water mains on High Street between the present ends of the mains, or do anything in relation thereto.

ARTICLE 23. To see if the Town will accept Chapter 254 of the Acts of 1917, the same being an Act relative to the pay of Town employees who enlist in the service of the United States, or do anything in relation thereto.

ARTICLE 24. To see if the Town will raise and appropriate the sum of fifteen hundred dollars (\$1,500.00) for the new Fire Station, or do anything in relation thereto.

ARTICLE 25. To see if the Town will raise and appropriate the sum of two hundred eighty-seven dollars and fifty cents (\$287.50) to pay the 1916 salaries as follows:

Assessors, fifty dollars (\$50.00).

Selectmen, one hundred thirty-seven dollars and fifty cents (\$137.50).

Board of Health, one hundred dollars (\$100.00), or do anything in relation thereto.

ARTICLE 26. To see if the Town will accept Corthell Road as a Town way, or do anything in relation to the same.

And you are to serve this Warrant by posting true and attested copies thereof, one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post Offices of the Town, and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this twenty-eighth day of May in the year of our Lord, 1917.

(Signed) PRESCOTT L. PASHO,

THOMAS TALBOT CLARK,

MARTIN CONWAY,

Selectmen of the Town of Billerica.

A true copy. Attest:

HENRY D. LIVINGSTON,
Constable.

Billerica, Mass., June 30, 1917.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON,
Constable.

Report of the Finance Committee.

Article 2. Recommended that \$500.00 be raised and appropriated instead of \$300.00.

Article 3. Recommended.

Article 4. Recommended.

Article 5. Recommended that \$950.00 be raised and appropriated instead of \$900.00.

Article 6. Recommended.

Article 7. Recommended.

Article 7. Recommended.

Article 8. Unanimously voted that the Town do not raise the pay of the Highway Department from \$2.40 to \$2.75 per day.

Article 9. Recommended.

Article 10. Recommended.

Article 11. Recommended.

Article 12. Recommended.

Article 13. Recommended that \$750.00 be raised and appropriated at this time, and that it is the sentiment of the committee that \$1,250.00 should be raised next year for this purpose.

Article 14. No action taken because of lack of information.

Article 15. Recommended.

Article 16. Recommended that this Article be left to the discretion of the Selectmen.

Article 17. Recommended.

Article 18. The following report of the sub-committee on streets is adopted and recommended:

Report of the Highway Committee to the Finance Committee of the Town of Billerica.

In reference to Article 18 in the Town Warrant, your Committee visited the estate of Mr. Percy C. Dockham, on Pond Street, and carefully went over the proposed change in the widening of the road, as laid out by the Board of Selectmen, and listened attentively to Mr. Dockham's claim for damages caused by changing of the lines in straightening Pond Street. While we do not deny the fact that there may be some damage due Mr. Dockham, we consider it too early to decide and adjust the claim, as so far practically nothing has been done on Mr. Dockham's estate, except to put in the line stakes, and Mr. Dockham is enjoying the full benefit of his land at present, and will do so until quite extensive work is done in the future, namely, the relaying of the wall and regrading of the street, especially in front of his home. We would advise that this matter of damage be postponed until after these changes have been completed.

Article 19. Recommended that the Town raise and appropriate the sum of \$1,900.00 for the purpose named in this Article.

Article 20. Recommended.

Articles 21 and 22. Recommended that these Articles be postponed until the next Annual Meeting.

Article 23. The committee is of the opinion that all who enlist should be treated alike, and as this Act applies only to Town employees and not to all townsmen who enlist, they do not recommend that it be accepted.

Article 24. Recommended that we accept and adopt the report of the sub-committee that twenty-six hundred dollars (\$2,600.00) be raised and appropriated for the purpose named in this Article.

Article 25. Recommended.

Article 26. Recommended that the report of the sub-committee be accepted and adopted.

Referring to Article 26, the same members of your sub-committee on streets visited Corthell Road and made a thorough examination and were unanimous, without hesitation, that this road should not be accepted as a town highway. The road, as it is today, is practically impassable, and it would require several thousand dollars to bring it up to grade and make it safe for public travel; therefore, we recommend that this road should not be accepted as a town highway.

This road has not been accepted by the Board of Survey.

The following action was taken:

Article 1. Report of the Committee on Water Storage.

Report of the Committee on Water Storage.

To the Voters of the Town of Billerica:

Gentlemen:—The committee appointed at the Annual Town Meeting, February 10, 1917, to look into the matter of additional water storage for the Town of Billerica submit the following:

First, we made arrangements with the firm of Metcalf & Eddy, consulting engineers on water works, to make a thorough inspection of our present standpipe and report to us the conditions. Their report goes into detail and is quite lengthy. Therefore, we will only give a summary of the same.

Arrangements were made with the Water Commissioners, and the standpipe was entirely drawn off on Sunday, May 6th, when Charles W. Sherman, one of the engineers and members of the firm, made a personal interior inspection. They report that the present standpipe structurally is in good condition, but the same is badly in need of paint. There are about fifteen seams where the water leaks slightly, and in order to repair these properly the seams should be loosened up, scraped and re-riveted, requiring roughly about 300 rivets. The standpipe should be painted on the outside as well as the inside. This would naturally have to be done if the seams were re-riveted as recommended. The engineers inform us that these repairs can be thoroughly done inside and outside for about \$1,900.00, including the installation of an automatic regulating valve at the pumps which will be necessary for continuous pumping. They find that our present standpipe is a little small in proportion to the size of the Town.

The engineer also visited the pumping station and finds that we have ample pumping capacity to meet the demands. The only possible chance the Town would be taking in gating the standpipe for the repairs might be from a very bad break in one of the mains or a very bad fire, but this will be very remote, and it is usually customary to gate the standpipe off and keep the pumps going continuously when a standpipe needs repairing.

The engineer recommends laying the water pipe on Boston Road,

connecting the present main at the pumping station with the main at Treble Cove Road, also the connection of the two mains on High Street between the present ends of the mains. They recommend the installing of an automatic regulating valve on the pumps at the station.

Cost of New Standpipe. After looking over the ground, the engineers inform us that to build a concrete reservoir of 1,000,000 gallons capacity, together with the piping, will cost the Town at least \$60,000.00. If a steel standpipe is built it would cost the Town for standpipe and piping not less than \$66,000.00.

After carefully going over the matters with the engineers we recommend the laying of water pipe on Boston Road and High Streets not to exceed \$6,000.00, and that the Water Commissioners be instructed not to require a guarantee on these two connections. We recommend that on account of the condition of the times and the general high cost of materials and labor that the building of additional water storage for the Town be indefinitely postponed. We recommend that the standpipe be repaired inside and out as suggested by the engineers, including the installation of the regulating valve at the pumping station, and that the outlet hole in the present standpipe be enlarged to at least 4 inches. We recommend that these repairs be done under the direction of the Water Commissioners, and that arrangements be made for continuous pumping during the repairs.

Respectfully submitted,

B. W. KEARNEY, Chairman,
ALBERT H. RICHARDSON,
NATH'L R. JONES.

Moved and seconded that the report of the Committee on Water Storage be accepted and the committee discharged. Passed in the affirmative.

**Report of Committee Appointed by the Selectmen to Consider
the Matter of Building a New Concrete Bridge Over
the Concord River at River Street.**

To the Citizens of Billerica:

This committee began action by calling in Mr. J. R. Worcester, the well-known engineer, who, after looking into the situation, recommended that if the Town should decide to build at this time, a bridge somewhat on the lines of the Minute-Man Bridge at Concord could be built of reinforced concrete for approximately \$3,500.00. This would be 19 ft. wide between curbs and with reinforced concrete open-rail fence on the sides. This would not include the cost of repairing and readjusting the approaches.

While it seems to the committee that this style and construction of bridge would be appropriate and adequate, the abnormal cost of building at this time, which several contractors whom we have seen estimate would be from thirty-five to fifty per cent. higher than under normal conditions, forces us to the conclusion that it would be better to postpone the building of a new bridge till such time as conditions should be more favorable, provided the present bridge can be so repaired as to be usable for several years.

We therefore asked the Highway Surveyor, Mr. Twombly, to examine the structure with this in view. Mr. Twombly has made this examination, and from figures given him by competent carpen-

ters, estimates that by expending seven hundred dollars in reinforcing timbers, replanking, etc., the bridge can be put in condition so that, in his opinion, no further repairs would be needed for ten or twelve years.

We therefore recommend to the Town that the sum of four hundred dollars be raised and appropriated, which, in addition to the three hundred dollars appropriated for the use of this committee at the last Annual Meeting, shall be expended in such repairs. Your committee has not found it necessary to expend anything, as Mr. Worcester very courteously gave us his advice in the matter without charge.

Respectfully submitted,

JOSEPH F. TALBOT,
CHARLES H. EAMES,
WM. H. SEXTON,

Committee.

June 26, 1917.

Article 2. Voted in the affirmative that \$500.00 be raised and appropriated for the repair of bridges.

Article 3. Voted in the affirmative that the Town raise and appropriate one hundred and seven dollars (\$107.00) for salaries of election officers.

Article 4. Voted in the affirmative that the Town appropriate the sum of four hundred dollars (\$400.00), and that fifty dollars (\$50.00) of this amount be raised. This appropriation is for the Incidental Account.

Article 5. Voted in the affirmative that the Town raise and appropriate four hundred and fifty dollars (\$450.00) and that the difference between this amount and nine hundred dollars (\$900.00) be taken from the unexpended balance for street lighting on Boston Road. This appropriation is for street lighting.

Article 6. Voted in the affirmative that the Town raise and appropriate two thousand dollars (\$2,000.00) for highway repair.

Article 7. The Moderator appointed as tellers: Mr. Edgar P. Sellew, Mr. Charles H. Williams, Mr. Herbert A. King, sworn in by Town Clerk.

Voted in the affirmative by a vote of 63 to 11 that the Town raise and appropriate five thousand nine hundred and ninety-nine dollars (\$5,999.00) for Water Department maintenance.

Article 8. Voted in the affirmative that the pay of the Highway Department be raised from \$2.40 to \$2.75 per day.

Voted in the affirmative that the salary of the superintendent of the Highway Department be \$5.00 per day. Vote 54 to 38 in the affirmative.

Voted in the affirmative that this increase of pay for the Highway Department date from April 1, 1917.

Article 9. Voted in the affirmative that the Town fix the term of office of the members of the Fire Department at one year from January 1st, and terminate the current term of office of members of the Fire Department on January 1st, 1918.

Article 10. Voted in the affirmative that the Town raise and appropriate the sum of fifteen hundred dollars (\$1,500.00) for Fire Department maintenance.

Article 11. Voted in the affirmative that the Town raise and appropriate the sum of one thousand dollars (\$1,000.00) to extend the

macadam road on Boston Road, provided the County and State shall each furnish a similar sum.

Article 12. Voted in the affirmative that this Article be dismissed.

Article 13. Voted in the affirmative that action on this Article be postponed until after the war.

Article 14. Voted in the affirmative that this Article be dismissed.

Article 15. Voted in the affirmative that the Town raise and appropriate four hundred dollars (\$400.00) to be used in conjunction with the appropriation of three hundred dollars (\$300.00) made at the last Annual Meeting for repairs on the River Street Bridge.

Article 16. Voted in the affirmative that the Town appropriate the sum of fifty-four dollars (\$54.00) to instal three street lights along Chelmsford Road between its junction with Rangeway Road and the Manning Manse.

Article 17. Voted in the affirmative that the sum of two hundred and forty-five dollars (\$245.00) be raised and appropriated to pay for damages caused by widening Boston Road, to be distributed in accordance with the decree of the Middlesex County Commissioners dated January 4th, 1916, as follows: To Harry J. Pasho, fifty dollars (\$50.00); Olga L. Greenwood, twenty-five dollars (\$25.00); Susan J. Dolaher, ten dollars (\$10.00); Margaret J. Rogers, twenty-five dollars (\$25.00); Frederic A. R. Mixon, twenty-eight dollars (\$28.00); Eliza B. Mixon, one hundred and seven dollars (\$107.00).

Article 18. Voted in the affirmative that this Article be dismissed.

Article 19. Voted in the affirmative that the sum of two thousand dollars (\$2,000.00) be raised and appropriated to repair and paint the standpipe.

Article 20. Voted in the affirmative that the Town appropriate the sum of three thousand dollars (\$3,000.00), and the Water Commissioners be instructed to extend the water mains in Billerica Garden Suburbs, Inc., and to expend any amount up to three thousand dollars (\$3,000.00).

Article 21. Voted in the affirmative that this Article be dismissed.

Article 22. Voted in the affirmative that this Article be dismissed.

Article 23. Voted in the affirmative that this Article be dismissed.

Article 24. Voted in the affirmative that the Town raise and appropriate twenty-six hundred dollars (\$2,600.00) for the new fire station.

Article 25. Voted in the affirmative that the Town raise and appropriate the sum of two hundred eighty-seven dollars and fifty cents (\$287.50) to pay the 1916 salaries as follows: Assessors, fifty dollars (\$50.00); Selectmen, one hundred thirty-seven dollars and fifty cents (\$137.50); Board of Health, one hundred dollars (\$100.00).

Article 26. Voted in the affirmative that this Article be dismissed.

Meeting adjourned at 4.20 p. m.

Attest:

ALBERT S. BULL,

Town Clerk.

WARRANT FOR
Special Town Meeting

Monday, Sept. 17, 1917.

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To any Constable in the Town of Billerica :

GREETING :

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs, to meet at the Town Hall, Billerica, at 8 o'clock P. M., Monday, September 17, 1917, to act upon the following articles :

ARTICLE 1. To see if the Town will appropriate from the moneys voted at Town meetings held respectively March 27, 1915, July 12, 1915, and June 30, 1917, for the purpose of building a fire station and obtaining the site therefor, the sum of five hundred dollars (\$500.00) for the taking in fee for the purpose of erecting thereon a building to be used for an engine house, the following land in said Billerica belonging to Ernest C. Towle, which land is bounded and described as follows:—Beginning at the most easterly point of the premises at the curb on the westerly side of Concord Road; thence southwesterly one hundred fifty-eight and $67/100$ (158.67) feet along land of the Town of Billerica to a stone bound; thence southerly along said Town of Billerica land ninety-nine and $73/100$ (99.73) feet; thence still southerly along said Town of Billerica land sixty-nine and $68/100$ (69.68) feet to a stake; thence at an angle of $95^{\circ} 39' 30''$ with the last-mentioned course seventy-three and $98/100$ (73.98) feet westerly along land now or formerly of one Greeley to a drill hole in the wall; thence at an angle of $95^{\circ} 4' 20''$ northerly along land now or form-

erly of J. Nelson Parker one hundred eight and $93/100$ (108.93) feet to a drill hole in the wall; thence at an angle of $79^{\circ} 16' 10''$ with last-mentioned course, ninety-three and $9/10$ (93.9) feet easterly along other land of said Ernest Towle to a stake; thence at an angle of 90° with last-mentioned course seventeen (17) feet still along land of said Ernest Towle; thence easterly still along land of Ernest Towle, one hundred fifty-eight (158) feet to the point of beginning.

ARTICLE 2. To see if the Town will take in fee a lot of land in said Billerica now belonging to Ernest Towle for the purpose of erecting thereon a building to be used for an engine house, which lot is bounded and described as follows:—Beginning at the most easterly point of the premises at the curb on the westerly side of Concord Road; thence southerly one hundred fifty-eight and $67/100$ (158.67) feet along land of the Town of Billerica to a stone bound; thence southerly along said Town of Billerica land ninety-nine and $73/100$ (99.73) feet; thence still southerly along said Town of Billerica land sixty-nine and $68/100$ (69.68) feet to a stake; thence at an angle of $95^{\circ} 39' 30''$ with the last-mentioned course seventy-three and $98/100$ (73.98) feet westerly along land now or formerly of one Greeley to a drill hole in the wall; thence at an angle of $95^{\circ} 4' 20''$ northerly along land now or formerly of J. Nelson Parker one hundred eight and $93/100$ (108.93) feet to a drill hole in the wall; thence at an angle of $79^{\circ} 16' 10''$ with last-mentioned course, ninety-three and $9/10$ (93.9) feet easterly along other land of said Ernest Towle to a stake; thence at an angle of 90° with last-mentioned course seventeen (17) feet still along land of said Ernest Towle; thence easterly still along land of Ernest Towle, one hundred fifty-eight (158) feet to the point of beginning.

And you are to serve this Warrant by posting true and attested copies thereof, one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post Offices of the Town, and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this seventeenth day of August in the year of our Lord 1917.

PRESCOTT L. PASHO,
THOMAS TALBOT CLARK,
MARTIN CONWAY,
Selectmen of the Town of Billerica.

A true copy. Attest:

HENRY D. LIVINGSTON,
Constable.

Billerica, Mass., September 17, 1917.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON,
Constable.

Report of the Finance Committee.

Article 1. Recommended.

Article 2. Recommended.

The following action was taken:

Article 1. Voted in the affirmative that this Article be dismissed.

Article 2. Voted in the affirmative that this Article be dismissed.

Meeting adjourned at 8.10 p. m.

Attest:

ALBERT S. BULL,
Town Clerk.

WARRANT

THE COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To either of the Constables of the Town of Billerica :

GREETING :

In the name of the Commonwealth you are hereby required to notify and warn the inhabitants of said Town who are qualified to vote in Primaries to meet in Precinct 1, Town Hall, Billerica; Precinct 2, Union Hall, North Billerica, Tuesday, the 25th day of September, 1917, at 2 o'clock P. M., for the following purposes :

To bring in their votes to the Primary Officers for the Nomination of Candidates of Political Parties for the following offices :

Governor; Lieutenant Governor; Secretary of the Commonwealth; Treasurer and Receiver General; Auditor of the Commonwealth; Attorney-General; Councillor for the 6th Councillor District; Senator for the 7th Middlesex Senatorial District; Representative in General Court for the 17th Middlesex Representative District; County Commissioner for Middlesex County.

And for the Election of the following officers :

District Member of the State Committee for each political party for the 7th Middlesex Senatorial District; 16 Members of the Democratic Town Committee; 18 Members of the Republican Town Committee; Delegates to State Conventions of Political Parties.

All the above candidates and officers are to be voted for upon one ballot.

The polls will be open from 2 P. M. to 8 P. M.

And you are directed to serve this Warrant by posting attested copies thereof eight days at least before the time of said meeting as directed by vote of the Town.

Hereof fail not, and make return of this Warrant, with your doings thereon, at the time and place of said meeting.

Given under our hands this third day of September, A. D. 1917.

PRESCOTT L. PASHO,
MARTIN CONWAY,
THOMAS TALBOT CLARK,
Selectmen of Billerica.

A true copy.. Attest:
HENRY D. LIVINGSTON,
Constable.

Billerica, Mass., September 25, 1917.

I have served the above Warrant as therein directed.
HENRY D. LIVINGSTON,
Constable.

Under the foregoing Warrant the following vote was cast:

REPUBLICAN

Governor

	Prec. 1.	Prec. 2.	Total.
Grafton D. Cushing.....	14	33	47
Samuel W. McCall.....	99	83	182
Blanks	10	9	19

Lieutenant-Governor

Calvin Coolidge	106	111	217
Blanks	17	14	31

Secretary

Albert P. Langtry.....	103	104	207
Blanks	20	21	41

Treasurer

Charles L. Burrill.....	101	103	204
Blanks	22	22	44

Auditor

Charles Bruce	33	30	63
Alonzo B. Cook.....	72	71	143
Blanks	18	24	42

Attorney-General

Henry C. Attwill.....	93	86	179
Conrad W. Crooker.....	11	18	29
Blanks	19	21	40

Councillor—Sixth District

	Prec. 1.	Prec. 2.	Total.
James G. Harris.....	87	90	177
Blanks	36	35	71

Senator—Seventh Middlesex District

Frank P. Bennett.....	3	0	3
Edward B. Eames.....	27	17	24
Francis M. Hill.....	15	15	30
Immanuel Pfeiffer	68	89	157
Blanks	10	4	14

Representative in General Court—Seventeenth Middlesex District

Jeremiah K. Chandler.....	44	53	97
Harry L. Shedd.....	76	69	145
Blanks	3	3	6

County Commissioner—Middlesex County

Walter C. Wardwell.....	93	98	191
Blanks	30	27	57

State Committee

Louis Pfeiffer	90	101	191
Blanks	33	24	57

Delegates to State Convention

Thomas Talbot Clark.....	91	98	189
James F. Fuller.....	91	87	178
John J. Ritchie.....	86	97	183
Blanks	101	93	194

Town Committee

Thomas Talbot Clark.....	88	92	180
Dana H. Spiller.....	87	85	172
Herbert A. King.....	85	89	174
John Brown	84	84	168
James F. Fuller.....	83	84	167
Warren Holden	86	87	173
Clarence A. Bowman.....	90	84	174
John A. Richardson.....	92	87	179
Frank L. Day.....	84	84	168
Prescott L. Pasho.....	82	89	171
Charles H. Bailey.....	82	91	173
Bernard Fetherston	79	86	165
John J. Ritchie.....	84	93	177
Frederic G. Brown.....	84	90	174
James H. Rule.....	83	86	169
Richard T. Perry.....	85	87	172
Harold T. Nowell.....	81	86	167
Blanks	770	764	1534
E. P. Sellew.....	1	0	1
Charles A. Wright.....	2	0	2
Alden B. Richardson.....	2	0	2
Albert Richardson	0	1	1
William Schmidt	0	1	1

DEMOCRATIC**Governor**

	Prec. 1.	Prec. 2.	Total.
Frederick W. Mansfield.....	13	23	36
Blanks	2	0	2

Lieutenant-Governor

Matthew Hale	0	14	14
Blanks	15	9	24

Secretary

Arthur B. Reed.....	0	14	14
Blanks	15	9	24

Treasurer

M. O'Sullivan	1	0	1
Humphrey O'Sullivan	3	15	18
Blanks	11	8	19

Auditor

Elzear Choquette	0	14	14
Blanks	15	9	24

Attorney-General

Pasto Pasho	1	0	1
Josiah Quincy	1	14	15
Blanks	13	9	22

Councillor—Sixth District

Blanks	15	23	38
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Senator

Immanuel Pfeiffer	2	2	4
Blanks	13	21	34

Representative in General Court—Seventeenth Middlesex District

Blanks	15	23	38
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County Commissioner—Middlesex

Blanks	15	23	38
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State Committee

Blanks	15	23	38
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Delegate to State Convention

Wendell P. Stevens.....	1	0	1
Michael McElligott	1	0	1
Thomas McElligott	0	1	1
James White	0	1	1
Frank McSwill	0	1	1
Arthur L. Mahoney.....	0	1	1
Thomas Riley	0	1	1
Blanks	28	41	69

Town Committee

Wendell P. Stevens.....	2	0	2
Dana H. Spiller.....	1	0	1
Jno. M. Kennelly.....	2	0	2
John J. McSweeney.....	1	0	1

	Prec. 1.	Prec. 2.	Total.
Frank J. Dolan.....	1	1	2
Michael H. McElligott.....	2	1	3
D. Fred Reardon.....	1	0	1
Edward Costello	1	6	7
John J. Mahoney.....	1	0	1
James Bradley	1	1	2
James Condon	0	4	4
Frederic Hannon	0	4	4
Daniel McSweeney	0	2	2
Arthur LeLacheur	0	1	1
John Kiggins	0	1	1
Joseph McSweeney	0	4	4
Thomas McElligott	0	1	1
Edward T. Riley.....	0	2	2
Arthur L. Mahoney.....	0	3	3
Timothy J. McCarthy.....	0	4	4
Wm. H. O'Brien.....	0	1	1
Dennis J. Mahoney.....	0	7	7
Charles Cowdrey	0	1	1
Philip Dolan	0	1	1
John Verner	0	1	1
Joseph Morris	0	1	1
T. Frank Lyons.....	0	1	1
Frank Mahoney	0	1	1
Carroll Delehanty	0	1	1
Wm. S. Taylor.....	0	3	3
John S. Welsh.....	0	2	2
John H. Mahoney.....	0	1	1
Neal R. Mahoney.....	0	1	1
Timothy Mahoney	0	3	3
John Nugent	0	1	1
Blanks	77	304	381

PRECINCT CLERKS' REPORTS.

State Primary.

Billerica, Sept. 25, 1917.

The polls were opened at 2 p. m. with the following officers present:

Warden, Charles E. Scott. Sworn by E. S. Bull.

Deputy Warden, Michael H. McElligott. Sworn by E. S. Bull.

Clerk, Everett S. Bull. Sworn by A. S. Bull.

Deputy Clerk, Frank L. Day. Sworn by E. S. Bull.

Inspector, Charles A. Wright. Sworn by E. S. Bull.

Deputy Inspector, Alden B. Richardson. Sworn by A. S. Bull.

Inspector, Philip B. Dolan. Sworn by E. S. Bull.

Deputy Inspector, John Bradley. Sworn by E. S. Bull.

At 8 o'clock the polls were closed. 138 ballots were cast, of which 123 were Republican and 15 Democratic.

Vote tabulated at 9.30.

EVERETT S. BULL,

Clerk.

Report of Clerk of Precinct No. 2.

North Billerica, Mass., Sept. 25, 1917.

Polls opened at 2 o'clock p. m. The following officers were sworn in by Clerk John J. McSweeney:

Warden, Charles H. Bailey.

Deputy Warden, Frederic G. Brown.

Clerk, John J. McSweeney.

Deputy Clerk, Edward T. Riley.

Inspector, Frank Walker.

Deputy Inspector, John J. Ritchie.

Inspector, Dennis J. Mahoney.

Deputy Inspector, Timothy McCarthy, Jr.

Number of ballots received:

Democratic, 450; Republican, 450.

Number of ballots returned:

Democratic, 427; Republican, 325.

Total vote:

Democratic, 23; Republican, 125.

Total vote, 148.

JOHN J. MCSWEENEY,

Clerk.

Attest:

ALBERT S. BULL.

Town Clerk.

WARRANT

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To any Constable in the Town of Billerica :

GREETING :

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs, to meet at Precinct 1, Town Hall, Billerica Center, at 6 o'clock A. M.; Precinct 2, Union Hall, North Billerica, at 6 o'clock A. M., Tuesday, November 6, 1917, to bring in their votes on one ballot for the following officers :

Governor; Lieutenant Governor; Secretary; Treasurer; Auditor; Attorney-General; Councillor; Senator; Representative in General Court; County Commissioner.

Also to vote on the following questions :

Acceptance of the following Articles of Amendment submitted by the Constitutional Convention :

ARTICLE OF AMENDMENT No. 1.

The General Court shall have power to provide by law for voting by qualified voters of the Commonwealth who, at the time of an election, are absent from the city or town of which they are inhabitants in the choice of any officer to be elected or upon any question submitted at such election.

ARTICLE OF AMENDMENT No. 2.

ARTICLE XVIII. SECTION 1. No law shall be passed prohibiting the free exercise of religion.

SECTION 2. All moneys raised by taxation in the towns and cities for the support of public schools, and all moneys which may be appropriated by the Commonwealth for the support of common schools, shall be applied to, and expended in, no other schools than those which are conducted according to law, under the order and superintendence of the authorities of the town or city in which the money is expended; and no grant, appropri-

ation or use of public money or property or loan of public credit shall be made or authorized by the Commonwealth or any political division thereof for the purpose of founding, maintaining or aiding any school or institution of learning, whether under public control or otherwise, wherein any denominational doctrine is inculcated, or any other school, or any college, infirmary, hospital, institution, or educational, charitable or religious undertaking which is not publicly owned and under the exclusive control, order and superintendence of public officers or public agents authorized by the Commonwealth or Federal authority or both, except that appropriations may be made for the maintenance and support of the Soldiers' Home in Massachusetts and for free public libraries in any city or town, and to carry out legal obligations, if any, already entered into; and no such grant, appropriation or use of public money or property or loan of public credit shall be made or authorized for the purpose of founding, maintaining or aiding any church, religious denomination or society.

SECTION 3. Nothing herein contained shall be construed to prevent the Commonwealth, or any political division thereof, from paying to privately controlled hospitals, infirmaries, or institutions for the deaf, dumb or blind not more than the ordinary and reasonable compensation for care or support actually rendered or furnished by such hospitals, infirmaries or institutions to such persons as may be in whole or in part unable to support or care for themselves.

SECTION 4. Nothing herein contained shall be construed to deprive any inmate of a publicly controlled reformatory, penal or charitable institution of the opportunity of religious exercises therein of his own faith; but no inmate of such institution shall be compelled to attend religious services or receive religious instruction against his will, or, if a minor, without the consent of his parent or guardian.

SECTION 5. This amendment shall not take effect until the October first next succeeding its ratification and adoption by the people.

ARTICLE OF AMENDMENT No. 3.

The maintenance and distribution at reasonable rates, during time of war, public exigency, emergency or distress, of a sufficient supply of food and other common necessities of life and the providing of shelter, are public functions, and the Commonwealth and the cities and towns therein may take and may provide the same for their inhabitants in such manner as the General Court shall determine.

Polls may close at 4 P. M.

And you are directed to serve this Warrant by posting true and attested copies thereof; one copy at the Town Hall, one copy at Union Hall, one copy in each of the Post Offices of the Town, and one copy at ten or more public and conspicuous places at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this 26th day of October, in the year of our Lord, 1917.

PRESCOTT L. PASHO,
MARTIN CONWAY,
THOMAS TALBOT CLARK,
Selectmen of the Town of Billerica.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON,
Constable.

Under the above Warrant the following vote was cast:

	Governor		
	Prec. 1.	Prec. 2.	Total.
James Hayes, of Plymouth.....	4	2	6
Chester A. Lawrence, of Boston.....	4	0	4
Frederick W. Mansfield, of Boston....	50	137	187
Samuel W. McCall, of Winchester.....	191	145	336
John McCarty	6	9	15
Blanks	9	1	10

Lieutenant Governor

	Preec. 1.	Preec. 2.	Total.
Calvin Coolidge, of Northampton.....	187	141	328
Matthew Hale, of Boston.....	50	121	171
Sylvester J. McBride, of Watertown...	6	11	17
Fred E. Oelcher, of Peabody.....	3	1	4
Blanks	18	20	38

Secretary

Herbert S. Brown, of Greenfield.....	9	2	11
Albert P. Langtry, of Springfield.....	186	145	331
Ingvar Paulsen, of Boston.....	2	2	4
Arthur B. Reed, of Abington.....	36	116	152
Marion E. Sproule, of Lowell.....	9	17	26
Blanks	22	12	34

Treasurer

Charles L. Burrill, of Boston.....	193	134	327
Solon Lovett, of Beverly.....	1	0	1
Joseph A. Murphy, of Lowell.....	9	10	19
Humphrey O'Sullivan, of Lowell.....	40	139	179
Mary E. Peterson, of Somerville.....	3	3	6
Blanks	18	8	26

Auditor

Elzear H. Choquette, of New Bedford..	33	125	158
Alonzo B. Cook, of Boston.....	194	139	333
David Craig, of Milford.....	5	4	9
Walter S. Peck, of Stockbridge.....	7	10	17
Henry G. Smith, Jr., of Somerville....	1	2	3
Blanks	24	14	38

Attorney-General

Henry C. Attwill, of Lynn.....	187	143	330
Frank Auchter, of Belmont.....	5	1	6
William R. Henry, of Lynn.....	7	8	15
Thomas J. Maher, of Medford.....	5	7	12
Josiah Quincy, of Boston.....	38	120	158
Blanks	22	15	37

Councillor—Sixth District

James G. Harris, of Medford.....	204	172	376
Patrick F. Delehanty.....	0	1	1
Blanks	60	121	180

Senator—7th Middlesex District

Edward B. Eames, of Reading.....	205	173	378
Patrick F. Delehanty.....	0	1	1
Blanks	59	120	179

Representative in General Court—17th Middlesex District

Jeremiah K. Chandler, of Tewksbury..	83	160	243
Harry L. Shedd, of Tewksbury.....	166	103	269
Patrick F. Delehanty.....	0	1	1
Blanks	15	30	45

County Commissioner—Middlesex County

Walter C. Wardwell, of Cambridge....	184	150	343
Blanks	80	135	215

Amendment to the Constitution—1. Relative to Absentee Voting

	Prec. 1.	Prec. 2.	Total.
Yes	144	156	300
No	51	69	120
Blanks	69	69	138

**Amendment to the Constitution—2. Relating to Appropriations
for Private Institutions**

Yes	158	137	295
No	43	118	161
Blanks	63	39	102

**Amendment to the Constitution—3. Relative to Dealing by the
Commonwealth in the Necessaries of Life**

Yes	156	178	334
No	32	45	77
Blanks	76	71	147

REPORT OF PRECINCT CLERK.**Precinct 1.**

Billerica, Mass., Nov. 6, 1917.

The polls for the State election opened in the Town Hall at 6 a. m. The following precinct officers were present:

Charles E. Scott, Warden.

Michael McElligott, Deputy Warden.

Everett S. Bull, Clerk.

Frank L. Day, Deputy Clerk.

Charles A. Wright, Inspector.

Alden B. Richardson, Deputy Inspector.

Philip B. Dolan, Inspector.

John Bradley, Deputy Inspector.

Voted to close the polls at 4.15 p. m., and so done. Total vote cast, 264. Vote tabulated and return made to Town Clerk at 4.35.

EVERETT S. BULL,

Clerk.

State Election, Nov. 6, 1917.**Precinct 2.**

North Billerica, Mass., Nov. 6, 1917.

Polls opened at 6 o'clock a. m.

By vote of the precinct officers John J. O'Brien was elected to take the place of Edward Riley, who was absent.

Precinct officers:

Charles Bailey, Warden.

Frederick G. Brown, Deputy Warden.

John J. McSweeney, Clerk.

John J. O'Brien, Deputy Clerk.

Frank Walker, Inspector.

John J. Ritchie, Deputy Inspector.

Dennis J. Mahoney, Inspector.

Timothy McCarthy, Jr., Deputy Inspector.

Ballots received, 600.
 Ballots used, 294.
 Ballots returned, 306.
 Total vote cast, 294.
 Polls closed at 4 o'clock.

JOHN J. McSWEENEY,
 Clerk.

Attest:

ALBERT S. BULL,
 Town Clerk.

COMMONWEALTH OF MASSACHUSETTS.

County of Middlesex.

Office of the Town Clerk,
 Tewksbury, November 16, 1917, at 12 o'clock M.

We, the undersigned, Clerks of the Towns included in the Seventeenth Middlesex Representative District, certify: That a meeting of said Clerks was holden as directed by Section 322, Chapter 835, Acts of 1913, at the place designated by the County Commissioners, to wit: at the Town Hall, Tewksbury, on the date and at the time above written, for the purpose of determining who appeared to be elected to the office of Representative in the General Court from said District, and that they did examine and compare the record of votes given in for said office at the Election holden on the 6th day of November, A. D., 1917, in the Towns of Tewksbury, Billerica, Burlington, Dracut, North Reading and Wilmington, of which said District is composed; and we further certify the following to be a true and complete schedule of all the persons voted for for Representative in the said District, and as shown by the said copies of record the number of votes for each person:

	Votes.
Jeremiah K. Chandler, of Tewksbury, had six hundred sixty-seven	667
Harry L. Shedd, of Tewksbury, had one thousand thirty-two..	1,032
George Buckle had one.....	1
Patrick F. Delehanty, of Billerica, had one.....	1
Blanks, one hundred forty-two.....	142
Whole number of ballots, one thousand eight hundred forty-three	1,843

PETER W. CAMERON, Town Clerk of Tewksbury.

ALBERT S. BULL, Town Clerk of Billerica.

SELWYN H. GRAHAM, Town Clerk of Burlington.

JOHN W. BRENNAN, Town Clerk of Dracut.

HERBERT L. ABBOTT, Town Clerk of North Reading pro tem.

JAMES E. KELLEY, Town Clerk of Wilmington.

Attest:

ALBERT S. BULL,
 Town Clerk.

BIRTHS RECORDED IN BILLERICA DURING 1917.

No.	Date	Name of Child	Name of Parents
1	Jan. 5	Ida Mabel Watson	Clifford and Mabel
2	Jan. 11	Elizabeth Smith	Herbert and Effie
3	Jan. 21	Edward Alfred Plugis	John and Annette
4	Jan. 28	Joseph Raymond Phillibear Hand	Leger and Evelyn
5	Jan. 19	Harry Waldemar Hanson	Richard and Esther
6	Feb. 16	John Misko	Justin and Annie
7	Jan. 5	Earle Linwood Wing	Irving and Ethel
8	Jan. 12	Esther Waitz	Harry and Dadie
9	Jan. 18	Gertrude Rita McNulty	Edward and Ellen
10	Jan. 30	David Lloyd Ellis	Edgar and Adela
11	Feb. 9	William Henry O'Brien	William and Helen
12	Feb. 26	Gertrude Barnes	Stuart and Blanche
13	Feb. 16	Frank Joseph St. John	Frank and Maude
14	Mar. 24	Frederic Leo Lane	John and Mary
15	Feb. 25	Guy Tufts Lewis	Fred and Mary
16	Mar. 8	Maurice Freeland Smith	Maurice and Jennie
17	Mar. 25	Bernice Retha Burnham	Edith
18	Mar. 27	Atania Melandrino	Joseph and Fleeca
19	Apr. 4	Darling	John and Mabel
20	Mar. 30	Phillip Ernest Knoettner	Philip and Clara
21	Apr. 10	Henry Graham, Jr.	Henry and Catherine
22	Apr. 13	Mary Genevieve Kenny	Percy and Rosella
23	Apr. 25	Paul Newman	Maurice and Katherine
24	May 13	Bickford	Henry and Catherine
25	Apr. 21	Eileen Carney	Edward and Jenny
26	May 30	Winifred Elizabeth Brundage	Bert and Esther
27	Apr. 28	Martha Frances Adair	Arthur and Martha
28	June 16	Allen Francis Bohannon	Ora and Alice
29	June 30	William Newlands	William and Esther
30	July 4	Leonard Lundgren	Charles and Sigred
31	June 30	Sousa	Andrew and Edwena
32	July 6	Mary Elizabeth Cowdrey	Walter and Anna
33	July 10	Hazel Rita Horman	Charles and Elizabeth
34	July 22	Helen Wojtowicz	Frank and Katherine
35	July 31	Pearl Louise Paylor	William and Susan
36	July 6	Berton	Francis and Eugenia
37	July 8	Edith Sarah Hurd	Walter and Annie
38	July 11	Loye	Jesse and Florence
39	Aug. 24	Létendre	Joseph and Eva
40	Aug. 28	Kewan	James and Margaret
41	July 26	William Arthur McAuliffe	Arthur and Ada
42	Aug. 7	Blakely Potter	Everett and Mary
43	Aug. 29	Beatrice Josephine Morgan	Edward and Florence
44	Aug. 31	Foss	Fred and Frances
45	Sept. 8	Marie Lillian Lena Hamel	Albert and Lydia
46	Sept. 12	Frank Willie Philbrick	Clayton and Maude

No.	Date	Name of Child	Name of Parents
47	Sept. 17	David Dougherty	James and Helen
48	Sept. 20	Wallace Edward Maybury	Eugene and Clara
49	Sept. 25	Eugenia Meigs Clark	Thomas and Eugenia
50	Oct. 7	Hamilton C. Bickford	Charles and Marion
51	Oct. 3	Helen Mae Ferrin	Frank and Thelma
52	Oct. 22	Helen Louise Hurley	Jeremiah and Catherine
53	Nov. 3	Martha Lloyd	Frank and Margaret
54	Oct. 25	Ruth Eunice Knight	Ralph and Ressa
55	Nov. 11	George Sykes	George and Mattilda
56	Nov. 12	Marion Ferren	Jesse and Mildred
57	Feb. 17	John Maurice Iversen	John and Josephine
58	Feb. 17	Thomas Francis Iversen	John and Josephine
59	Mar. 4	Francis Henry Casey	Peter and Frances
60	Mar. 7	Lillian Margaret Morris	William and Florence
61	Mar. 10	Newell	Isaac and Lucy
62	May 20	Edward Albert Thommen	Edward and Edith
63	July 6	Mary Staniels Gross	Willard and Florence
64	Aug. 17	Edward Bernard Moulton	Mike and Mary
65	Oct. 11	Donald Arnold McCarthy	Dennis and Bezie
66	Mar. 27	James Everett Farmer	John and Bertha
67	Nov. 22	Dorris Midwood Austin	Dana and Helen
68	Nov. 14	Virginia Elizabeth Bicknell	Alice
69	Nov. 15	Margaret Hazel Solomon	Robert and Margaret
70	Nov. 29	Joseph Raymond Bujold	Auguste and Rose
71	Nov. 17	Louis Girard Bertholgi	Carlo and Palmyre
72	Dec. 3	Joseph Leonard Francis Poirier	Camille and Rose
73	Dec. 16	Fred Dennison Philbrick	Fred and Lizzie
74	Dec. 19	Hazel May Jenkins	Caleb and Grace
75	Nov. 10	Bertha Josephine Clement	Joseph and Emily
76	Dec. 30	Thomas Francis McElligott, Jr.	Thomas and Agnes

Births Not Reported Until 1917

1903			
1	Jan. 23	Julianna Bok Sokol	Nicholas and Catharina
1914			
1	Mar. 17	Leona May Harper	Frank and Henrietta
1916			
1	Feb. 15	Doris Olive Florence Leonardson	Alfred and Blanch
2	Feb. 19	Elizabeth Gertrude Nadeau	George and Gertrude
3	Aug. 13	Minnie Etta Lacomb	Charles and Laura
1	Aug. 30	Margaret Louise Sabre	George and Esther
5	Sept. 17	Mary Jane Teresa Labreque	Edward and Juliette
6	Sept. 21	Walter Robert Chandler	Walter and Annie

ALBERT S. BULL,

Town Clerk.

MARRIAGES RECORDED IN BILLERICA DURING 1917.

No.	Date	Name	Residence
1	Jan. 4	Patrick Driscoll	Billerica
		Hannah Driscoll	Boston
2	Feb. 4	Martin C. Doherty	Woburn
		Mabel Dickie	Billerica
3	Jan. 6	Percy Harold Kinney	Lowell
		Rosella White	North Billerica
4	Feb. 10	David Whitney DeLorey	Billerica
		Mary Rosanna Gelinas	Billerica
5	Feb. 12	Jose Ignacio de Silva	Billerica
		Maria Silvina Rodrigues	Billerica
6	Feb. 6	Frank P. Downing	South Braintree
		Margaret M. Cox	North Billerica
7	Feb. 18	Damien Delisle	North Billerica
		Germaine Seney	North Billerica
8	Feb. 17	Frank P. Ferrin	North Billerica
		Thelma D. Knight	North Billerica
9	Mar. 8	Lester W. Stivers	Billerica
		May Day	Arlington
10	Mar. 12	Frank Lepper	Lowell
		Bernice Kearney	North Billerica
11	Feb. 7	Richard Guillage	Billerica
		Ethel May Cahoon Jollimore	Somerville
12	Mar. 21	William Newlands	Woburn
		Esther M. Kelley	Billerica
13	Apr. 11	Charles A. Bradley	Billerica
		Mary F. Castles	Lowell
14	Apr. 15	Edwin Morgan	Woburn
		Florence Fayton	Billerica
15	Apr. 16	John J. McHugh	Billerica
		Elizabeth A. Keaney	Arlington
16	Apr. 16	Joseph Edward Garner	North Billerica
		Agnes Josephine Hennessey	North Billerica
17	Apr. 28	Lester Leon Foss	North Billerica
		Bessie Hazel Allan	North Billerica
18	May 5	Thomas Thoresen	Billerica
		Ruth Schult	Billerica
19	Mar. 29	Harold S. Wagner	Boston
		Bertha R. Rau	Boston
20	Apr. 25	Dennis Joseph Mahoney	North Billerica
		Margaret Esther Hughes	Pittsfield
21	May 12	Melvin E. Mason	North Billerica
		Ella Wyers	Lowell
22	Apr. 19	Eric Manfrid Swenson	Concord, N. H.
		Eva Albertina Eklund	North Billerica
23	May 16	Edward Ireson	North Billerica
		Mary Etta Green	Lowell
24	June 6	David F. Colt	Haverhill
		Hannah M. Barrington	North Billerica
25	June 11	John E. Gorman	Marlborough
		Margaret M. Coffey	North Billerica
26	June 19	John Coffey	North Billerica
		Mary Walsh	North Billerica
27	June 20	John-Franklin Fuller	Billerica
		Annie Hardwick Collins	Everett

No.	Date	Name	Residence
28	June 15	William McKay	North Billerica
		Ellen M. McGregor	St. Johnsbury, Vt.
29	June 27	Albert G. Estabrook	Lowell
		Helen J. Soutter	North Billerica
30	June 27	Harry E. Ohlson	Lowell
		Jennie Mae Rollins	Billerica
31	July 3	Silas Frank Riden	Billerica
		Marion Edith Hoyt	Stoneham
32	July 8	A. Joseph O'Connor	Nashua, N. H.
		Mary A. Maxwell	North Billerica
33	July 15	George Russell Taylor	Cambridge
		Gladys Viola Plude	Billerica
34	Aug. 15	Francis E. Hickey	Woburn
		Mary A. Kenefick	Billerica
35	Aug. 18	Lincoln Clark	North Billerica
		Ethel Constance Hockmeyer	Lowell
36	Aug. 28	James A. Higgins	North Billerica
		Martina F. McMahan	Lowell
37	Sept. 3	Curtis V. Ordway	Cambridge
		Bessie Althea Fowler	North Billerica
38	Sept. 1	Charles F. Venn	North Billerica
		Harriet Bell Frederick	North Billerica
39	Sept. 4	Ernest E. Peck	Dublin, N. H.
		Elsie M. Decatur	Billerica
40	Sept. 7	Edwin Merrill Thoresen	Billerica
		Helen Charlotte Schult	Billerica
41	Sept. 12	John Edward McNulty	North Billerica
		Margaret L. Condon	North Billerica
42	Sept. 20	Thomas H. Bateson	North Billerica
		Marian Edna Farley	Lowell
43	Sept. 1	Swan Julius Ericson	Manchester
		May Victoria Rutledge	North Billerica
44	Oct. 5	Chester Milford Roper	Tewksbury
		Dorothy Harper Pierce	North Billerica
45	Oct. 8	Howard Gardner Simonds	Billerica
		Achsa Marietta Virginia Graves	Dracut
46	Oct. 22	Thomas A. Grouke	Lowell
		Marion Elizabeth Walker	North Billerica
47	Oct. 20	Roy Grover Whittemore	West Medford
		Beatrice Irene Parker	Malden
48	Oct. 27	Edward Maurice Harris	Cambridge
		Ruth Voila Allen	Billerica
49	Nov. 10	Nelson Frank Bruso	North Billerica
		Anita Amelia Cyr	North Billerica
50	Nov. 10	Howell W. Schuman	Billerica
		Annie Vavasor	Somerville
51	Nov. 14	Eugene C. McSweeney	North Billerica
		Alice H. LeLacheur	North Billerica
52	Nov. 21	George Albert Parker	Lowell
		Mabel Marion Delmege	North Billerica
53	Dec. 10	Charles W. H. Ingles	Billerica
		Alice Ada Rogers	Billerica
54	Dec. 9	Earle Bullard Boss	Billerica
		Esther Lenore Ranus	Billerica

ALBERT S. BULL,

Town Clerk.

DEATHS RECORDED IN 1917.

No.	Date	Name	Yrs.	Mths.	Dys.
1	Feb. 6	Effe J. Smith	41	1	18
2	Jan. 6	James Lally	32	—	—
3	Jan. 12	Walter J. Merritt	49	11	14
4	Jan. 14	Charles Callahan	58	2	2
5	Feb. 4	Elizabeth C. Phillips	46	7	—
6	Feb. 10	Lyman Janus Hunt	74	11	6
7	Feb. 20	Joseph H. Call	82	2	18
8	Feb. 20	William A. Merriam	82	9	—
9	Feb. 27	Hattie E. Holden	62	5	17
10	Mar. 11	Lucy Newell	—	—	—
11	Mar. 14	William McBride	49	2	11
12	Mar. 14	Gilbert Sears Raymond	—	1	10
13	Mar. 14	Herman C. Snelling	1	1	—
14	Mar. 16	Mary Maxwell	80	—	—
15	Mar. 23	William Fairbrother	67	—	4
16	Mar. 28	Bourque	—	—	—
17	Apr. 18	Cornelius Mahoney	72	—	—
18	Apr. 20	Mary Sophia Crooker	68	4	21
19	Apr. 20	Maurice F. Smith	—	1	15
20	Apr. 26	Lulu Elzina Hammond	31	11	23
21	May 1	Mary E. Cowdrey	80	—	—
22	Apr. 3	David J. Macdonald	59	1	27
23	May 9	Mary Jane Ray	80	—	15
24	May 14	Earle Wing	—	4	9
25	May 21	Mary A. Cane	69	—	—
26	May 23	Mary U. Lawrence	38	—	—
27	May 12	Norman Macdonald	70	—	—
28	May 16	Laura Hubbard	9	1	12
29	May 16	Hazel E. Culver	11	10	27
30	May 16	Philip D. Norton	21	10	26
31	May 26	Unknown	65-70	—	—
32	May 27	George M. Carr	52	6	22
33	May 12	Ernest Freeman Russell	13	—	—
34	June 4	Eva M. Staffard	22	10	—
35	June 4	Mary J. Pettis	29	2	29
36	June 26	Guy M. Richardson	33	6	11
37	June 30	Mary Ledona Murningham	2	10	11
38	July 1	Mrs. Surpoohey Karoughlanian	57	—	—
39	July 12	Frank L. Davidson, Jr.	4	—	—
40	July 13	Sylvia Church Bartlett	78	4	5
41	July 13	O'Connor	—	—	—
42	July 20	Edward Mulbury Beard	67	7	—
43	July 31	Mrs. Mary A. Ellis	71	4	15
44	July 19	Norris Siddley Allan	10	4	24
45	Aug. 6	Donald A. Grant	80	7	—
46	Aug. 7	James F. Meaney	10	—	25

No.	Date	Name	Yrs.	Mths.	Dys.
47	Aug. 14	Catherine A. McCormack	62	—	—
48	Aug. 24	Joseph LeBlanc	—	2	17
49	Sept. 7	Michael J. Toohy	29	—	—
50	Sept. 13	John Andrew Quinn	61	—	—
51	Sept. 13	Catherine Donoghue	45	—	—
52	Sept. 15	Palemia Richardson	96	3	23
53	Sept. 16	John Warburton	68	1	—
54	Sept. 18	Sarah Ann Morrison	76	1	15
55	Sept. 18	Clarence Berkmyer	—	8	13
56	Sept. 21	John Howard Foster	73	6	12
57	Sept. 24	Letitia Murningham	46	—	—
58	Sept. 26	Lucretia S. Palmer	71	9	—
59	Sept. 30	Mary Etta McCusker	34	5	12
60	Oct. 8	Celertia D. A. Jewett	77	—	—
61	Oct. 10	Peter T. Gillooly	59	8	20
62	Oct. 19	Arthur W. Bickford	57	6	10
63	Oct. 19	Thomas Sullivan	4	—	—
64	Oct. 29	Murray S. Gross	—	3	—
65	Nov. 18	George Ellsworth Simonds	55	11	17
66	Nov. 19	Allan MacDonald	55	8	4
67	Nov. 24	Joseph P. Frye	74	1	23
68	Dec. 13	Thomas Fayton	55	7	3
69	Dec. 20	Mary E. Whitford	79	8	2
70	Dec. 22	Alfred Brown	95	2	22
71	Dec. 31	Bessie Fayton	7	6	—
72	Dec. 31	Milo H. Wright	66	3	28

ALBERT S. BULL,

Town Clerk.

BURIALS IN BILLERICA, NON-RESIDENTS, DURING 1917.

No.	Date	Name	Yrs.	Mths.	Dys.
1	Jan. 6	Mary E. S. Turner	70	4	—
2	Jan. 23	Harriette W. Drew	71	11	1
3	Feb. 3	Albert C. Lane	65	7	—
4	May 12	Ernest F. Russell	13	—	—
5	June 25	Mary A. L. Mitchem	58	8	27
6	July —	Charles H. Marston	45	—	15
7	Sept. 8	Walter Franklin Bowman	—	—	24
8	Sept. 18	Clarence Berkemeyer	—	8	13

ALBERT S. BULL,

Town Clerk.

**PERSONS HAVING DOGS LICENSED DURING
THE YEAR 1917.**

No.	No.
1 John Brown	48 E. R. Jones
2 G. A. Chandler	49 William Rogers
3 John A. Richardson	50 Charles Elwood
4 Willard Simpson	51 A. Flint
5 Arthur R. Hallenborg	52 Fuller Bros.
6 Frank L. Day	53 Arthur W. Holden
7 F. W. Flitner	54 Fred Miller
8 Walter B. Hurd	55 Thomas Bateson
9 Axel P. Hallenborg	56 Luey Kay
10 Joseph Boucher	57 George Dimock
11 Wilford Langley	58 Mrs. Charles Morley
12 Joseph Collinge	59 Mrs. Charles Morley
13 W. A. Savage	60 Mrs. G. E. Webber
14 C. F. Pillsbury	61 Theodore Faulcon
15 Gertrude Ingram	62 W. Harry Smith
16 N. A. McMillan	63 W. T. Merryweather
17 P. B. Kirschner	64 Ralph Dodge
18 Albert Richardson	65 Fred R. Gray
19 Harvey Brown	66 Void
20 Leslie Peavey	67 Void
21 Mrs. Mary F. O'Keefe	68 James J. Campbell
22 Mrs. C. L. Page	69 Archibald Mason
23 Thomas T. Clark	70 Archibald Mason
24 Joseph Cordio	71 Mrs. Walter Radcliffe
25 Everett Hawes	72 Royal B. Holden
26 William H. Marston	73 Royal B. Holden
27 John Waterhouse	74 Fred R. Lewis
28 John Waterhouse	75 M. L. Watts
29 B. H. Belisle	76 N. R. Jones
30 V. H. J. Belisle	77 Joseph O. Hamelin
31 Clarence Bowman	78 Richard Faulkner
32 B. O. Sanford	79 A. C. Barker
33 B. O. Sanford	80 H. B. Richardson
34 B. O. Sanford	81 Fannie M. Blanchard
35 Mrs. Sarah Dugan	82 Mrs. Nason
36 Frank Alexander	83 Geo. A. Rogers
37 Chas. A. Bradley	84 C. W. Flanders, Jr.
38 W. E. Metcalf	85 Ora Bohannon
39 S. P. Beard	86 Mrs. Edith Emerson
40 R. T. Baisley	87 Mrs. Edith Emerson
41 Mrs. I. J. Benson	88 Mrs. Edith Emerson
42 Dr. Maurice A. Buck	89 Mrs. Edith Emerson
43 Ed. O'Connor	90 Mrs. Edith Emerson
44 Mike Moulton	91 Mrs. Edith Emerson
45 George W. Hoyle	92 Mrs. Edith Emerson
46 Victor Naiglan	93 George H. Moy
47 Lizzie Gannon	94 George H. Moy

No.		No.	
95	Isaac Hopkinson	139	C. H. Martindale
96	Philip Scott	140	Stanislaus Ivaskeviez
97	Philip Scott	141	C. A. Foster
98	Michael J. McElligott	142	J. F. Delmege
99	Charles A. Schult	143	John P. Davison
100	T. A. Crosby	144	John P. Davison
101	C. A. Fordham	145	J. B. Holden
102	Sadie I. Burgess	146	J. A. Ruth
103	George P. Greenwood	147	Oscar H. Bicknell
104	George P. Greenwood	148	W. S. Pierce
105	Melvin Morris	149	John Downing
106	August Elfstrom	150	Warren C. Shedd
107	Joseph B. Nicholson	151	P. G. Dockham
108	Joseph B. Nicholson	152	Frank C. Lloyd
109	Herbert B. Hosmer	153	Camille Poirrier
110	Rev. D. Murphy	154	A. Poirrier
111	John A. Crow	155	Edwin S. Stevens
112	John A. Crow	156	Thomas W. Evans
113	Mrs. George Loucraft	157	Evelyn McDermott
114	S. A. McQuaid	158	R. J. Connell
115	Robert E. Valyou	159	Gertrude Carr
116	Robert Spencer	160	G. A. Quimby
117	Hector Patnaude	161	Leslie Fralick
118	O. D. Messinger	162	M. Esther Fisk
119	J. Frank Mullen	163	M. Esther Fisk
120	Mrs. F. L. Gleason	164	M. Esther Fisk
121	Mrs. F. L. Gleason	165	R. Harmston
122	Elias Hannon	166	C. A. Backer
123	Grace Biggerstaff	167	A. C. Woodward
124	Fred A. Barton	168	Henry Schmelzer
125	W. Klemka	169	R. S. Harrison
126	John Dewhurst	170	Bernard Nugent
127	George E. Simonds	171	Howard E. Fairbrother
128	Frederick H. Stearns	172	Marietta Kearney
129	R. C. Dyer	173	Clark Burris
130	Charles Hurst	174	D. J. Mahoney
131	Michael B. Hayes	175	Florence Shedd
132	John W. Stott	176	A. Lakemann
133	William Brodeur	177	Oscar Fellows
134	James J. White	178	Philip Geradi
135	M. C. Manning	179	Chester Pasho
136	P. F. Holden	180	G. E. Spaulding
137	V. O. Martin	181	H. D. Livingston
138	F. B. Bartlett		

FIRE DEPARTMENT REPORT

Total number of alarms for the year.....?	49
Regular alarms	48
Alarm for rescue.....	1
Twenty of these alarms were for building fires.	
Twenty-eight of these alarms were for brush or grass.	
One was for grappling duty.	

LIST OF FIRES

- Jan. 15. Box 13, 1.16 a. m. House owned by Percy E. Horne. Cause, probably live coal from stove. Loss, \$456.15. Engine No. 1 and Hose No. 2 responded.
- Feb. 8. Still alarm, 5 p. m. House owned by Talbot Mills, occupied by George Ennion. Chimney Fire. No damage. Engine No. 1 responded.
- Feb. 11. Still alarm, 8.30 a. m. House owned by Charles Lundgren, Pinedale. Cause, defective chimney. Loss, \$1,900.00. Hose No. 2 responded.
- March 5. Box 321, 7.05 p. m. B. & M. Car Shops. Locker caught fire from sparks of forge. Damage, \$5.00. Engine No. 1 and Hose No. 2 responded.
- March 12. Box 32, 2.10 p. m. House owned by Mary H. Hudson. Cause, clothing too near stove. Loss, \$1,800.00. Hose No. 2 responded.
- March 26. Box 13, 4.45 p. m. Brush fire off Pollard street. Cause, boys playing with matches. No damage. Engine No. 1 and Hose No. 2 responded.
- March 31. Box 12, 1.25 a. m. House owned by P. J. Bailey Estate. Cause, overheated chimney. Damage, \$25.00. Hose No. 2 responded.
- March 31. Box 14, 9.15 a. m. Brush, Bridle road. Cause unknown. Engine No. 1 and Hose No. 2 responded.
- March 31. Box 13, 11.30 a. m. Grass fire, land of Robert Faulds. Cause, burning brush. Damage, \$10.00. Engine No. 1 and Hose No. 2 responded.
- April 3. Box 13, 7 p. m. Grass fire off Call street. Cause unknown. No damage. Engine No. 1 and Hose No. 2 responded.
- April 4. Box 41, 1.50 p. m. Brush fire. No damage. Hose No. 2 responded.
- April 4. Box 15, 2.15 p. m. Brush fire. Engine No. 1 responded.
- April 4. Box 13, 3.20 p. m. Grass fire off Pollard street. No damage. Engine No. 1 responded.
- April 5. Box 15, 10.50 a. m. Grass fire land of Geo. M. Carr. Cause, burning brush. No damage. Hose No. 2 responded.
- April 5. Box 14, 2.30 p. m. Grass fire land of D. Callahan. Cause, careless smoking. No damage. Engine No. 1 and Hose No. 2 responded.
- April 5. Box 21, 5.30 p. m. Grass fire off Twombly avenue. Cause unknown. No damage. Engine No. 1 responded.

- April 8. Box 25, 2.55 p. m. Grass fire land of Geo. Conley. No damage. Engine No. 1 responded.
- April 9. Box 4, 4.20 p. m. House owned by C. W. Parsons. This fire was in Town of Tewksbury. Engine No. 1 responded.
- April 14. Box 23, 12.00 m. Brush off High street. Engine No. 1 responded.
- April 14. Box 32, 1.05 p. m. Grass fire off Cork street. No damage. Hose No. 2 responded.
- April 16. Box 32, 3.05 a. m. House owned by Mr. Provost. Cause unknown. Damage, \$1,800.00. Hose No. 2 responded.
- April 17. Box 13, 10.15 a. m. Grass fire. Engine No. 1 responded.
- April 19. Box 23, 10.45 a. m. Brush fire. Engine No. 1 responded.
- April 19. Box 15, 12.30 p. m. Brush fire, Nuttings Lake. Hose No. 2 responded.
- April 22. Box 41, 7.30 p. m. Grass fire. Hose No. 2 responded.
- April 24. Box 21, 2.45 p. m. Grass fire. Engine No. 1 responded.
- April 24. Box 32, 2.00 p. m. Brush, Pinehurst. Hose No. 2 responded.
- April 27. Box 21, 6.45 a. m. Chimney fire. House owned by M. Shaloo. No damage. Engine No. 1 responded.
- May 14. Box 61, 1.20 p. m. Brush fire. Hose No. 2 responded.
- May 14. Box 24, 6.25 p. m. Grass fire. Engine No. 1 responded.
- May 15. Box 61, 10.15 a. m. Brush fire. Engine No. 1 and Hose No. 2 responded.
- May 19. Box 15, 7.55 p. m. Brush fire. Hose No. 2 responded.
- May 20. Box 21, 3.15 p. m. Grass fire. Engine No. 1 responded.
- May 22. Box 12, 5.00 p. m. Chimney fire. House owned by C. B. Kirschner. No damage. Hose No. 2 responded.
- June 22. Box 12, 11.40 a. m. Blacksmith shop owned by Chas. L. Burton. Cause, spark from chimney. Hose No. 2 responded.
- June 23. Box 23, 10.00 a. m. House owned by Jesse Ferrin, Hillcrest. Caused by oil stove. Damage, \$125.00. Engine No. 1 responded.
- July 4. Box 13, 10 p. m. House owned by Frank Piper. Caused by fireworks. Damage, \$20.00. Engine No. 1 and Hose No. 2 responded.
- July 27. Box 12, 3.40 p. m. Orthodox Church. Cause, lightning. Hose No. 2 responded.
- Oct. 17. Box 23, 6.50 p. m. Brush fire. Engine No. 1 responded.
- Oct. 22. Box 321, 1.15 a. m. House owned by Lowell Co-operative Bank. Cause unknown. Damage, \$2,300.00. Auto truck and Engine No. 1 responded.
- Nov. 8. Box 23, 12.05 p. m. Grass fire. Shey Estate. Engine No. 1 responded.
- Nov. 8. Box 25, 6.40 p. m. Brush, Colson Estate. Engine No. 1 responded.
- Nov. 12. Box 12, 12.00 m. Chimney fire, house owned by Mrs. E. A. Baker. Hose No. 2 responded.
- Nov. 18. Box 23, 5.20 p. m. Brush, land of B. W. Kearney. Engine No. 1 responded.
- Nov. 18. Box 32, 6.00 p. m. Camp owned by Simon Harris. Cause unknown. Hose No. 2 responded.
- Nov. 20. Box 16, 7.55 p. m. Barn owned by B. N. Moers. Cause unknown. Damage, \$5,300.00. Hose No. 2 responded.
- Dec. 16. Box 321, 1.15 p. m. Car at B. & M. Shops. Cause, overheated stove. Damage, \$400.00. Engine No. 1 and Hose No. 2 responded.

Dec. 25. Box 16, 5.10 p. m. House owned by B. N. Moers. Cause unknown. Auto Truck No. 2 responded.

The entire department was in service to assist in grappling for the bodies of Hazel Culver, Laura Hubbard and Philip D. Morton, who were drowned in the Concord River.

BOARD OF ENGINEERS,

Mark E. Allen, Chief.

Frank L. Davison, 1st. Asst.

REPORT OF OVERSEERS OF THE POOR

To the Honorable Board of Selectmen and Citizens:

In the following we submit the personal of Home Farm and Relief departments classified.

There have been six inmates at the Home during past year; one of these has gone to the care of relatives, another to his own resources, leaving four at present. In order to meet the requirements of the new system of accounting, thirteen months' expenses have been submitted for payment. Under existing circumstances, with extreme high costs of living and Farm material, we have been unable to keep within our appropriation, and no apparent relief is in sight. No comparison at present can be made with statistics of former years. Meanwhile, we feel satisfied that our Home, even from a financial standpoint, does compare favorably with any such like institutions, while under normal conditions the Farm is able, if not in full, at least partially to support its inmates. The Overseers desire to express, through the Town, their appreciation and thanks for the many noble deeds and kindness to the inmates by the retiring State Visitor, Mrs. George Preston.

Outside Partial Support.

There has been no material change in the partially supported of the outside poor during the past twelve months. In order that the citizens may fully realize as to how these funds are distributed, we will endeavor by figures to explain the results therefrom: Eighteen adults and twenty children have been relieved. The total amount under this head has been for one year \$1,073.52. Of this amount \$344.11 was paid for State and City poor; for Town poor, \$729.41 net. When you further realize that one patient alone is costing the Town \$520.00 of the above amount each year, we must surely feel our community is industrious. As disputes have arisen over bills of transient poor in outside Towns, the matter of appropriation for outside relief for the ensuing year will be hard to determine.

Mothers' Relief, Chapter 763, Acts of 1913.

The relief granted under this head is a continuous proposition composed at present of five families, five mothers with twenty dependent children. We have one family about to be released, with two applications pending. This change will make a slight increase of expenditure. The entire cost for twelve months has been \$1,502.93, classed as follows: Town charges, \$345.29 net; State charges, \$1,157.64, for which the Town is reimbursed. One family out of town, with settlement in Billerica, was not heard from until recently. Since Nov. 15, 1915, a claim of \$300.00 for care has been called for.

If the original notice of 1915 holds for a period of two years under this class of aid without renewal they can collect. Should the law govern as for ordinary pauper aid they cannot, only so far as termination of notice. The Overseers recommend a flat appropriation to cover all classes of relief. While our returns are nearly complete, the belated reimbursements tend to retard the prompt payment of bills.

Appraisal Personal Property at Home Farm, Dec. 8, 1917.

One pair bay horses.....	\$ 600.00
19 cows, 3 heifers, 2 bulls.....	1,980.00
Ensilage, hay, grain.....	1,003.60
Manure	270.00
Harnesses, blankets, robes.....	90.00
55 fowl	60.00
Wood	60.00
Coal	50.00
Farming implements and tools.....	400.00
Wagons, carts, sleds and pung.....	225.00
Vinegar casks, barrels, sashes.....	15.00
Vegetables, preserves and fruit.....	202.25
Groceries	25.00
House furnishings	450.00
Union safe	50.00
Gifts—Stella cabinet, bookcase, hospital furniture.....	

Appraisal Dec. 8, 1917.....	\$5,480.85
Appraisal Dec. 16, 1916.....	4,855.25

Increased valuation term 1917.....	\$ 625.60
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RICHARD J. CONWAY,

COBURN S. SMITH,

WARREN HOLDEN,

Overseers of the Poor.

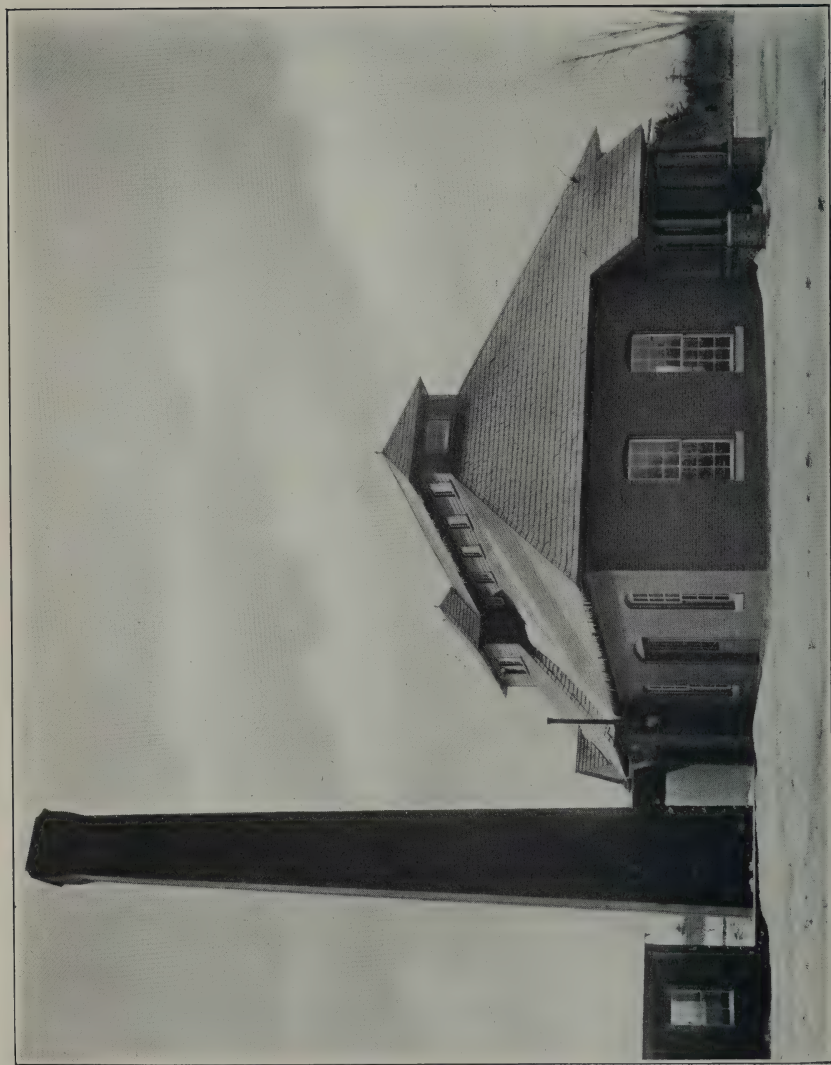
POLICE REPORT

To the Honorable Board of Selectmen, Billerica, Mass.:

Gentlemen:—We herewith submit our annual report for the year ending December 31, 1917:

There have been 100 arrests for the following causes:

Assault with intent to kill.....	1
Assault and battery.....	8
Bastardy	1
Drunkenness	24
Insane	2
Larceny	9
For out-of-town officers.....	2
Disturbing the peace.....	17
Breaking and entering.....	13
Robbery	2
Truancy	1
Peddling without a license.....	1



BILLERICA PUMPING STATION

Non-support	9
Persons detained	10

Disposal of Cases

Committed to Lowell Jail.....	2
Committed to Worcester Hospital.....	1
Committed to State Hospital.....	2
Committed to Lyman School.....	1
Committed to Truant School.....	4
Committed to House of Correction.....	4
Committed to State Farm.....	1
Fined	20
Found not guilty.....	10
Delivered to out-of-town officers.....	3
Held for Grand Jury.....	6
Probation, on payment of costs.....	6
Suspended sentence	5
Filed, released, probation.....	24
Placed on file on payment of costs.....	11

Miscellaneous

Cases investigated without arrest.....	765
Dogs killed	19
Stolen autos recovered for out-of-town officers.....	5
Value of property stolen.....	\$1,518.00
Value of property recovered.....	\$1,405.00

Respectfully submitted,

HENRY D. LIVINGSTON,

WM. H. O'BRIEN,

Police Officers.

REPORT OF FISH WARDEN

Pleased to report everything satisfactory during the past year, and recommend that the salary attached to this office be divided between the Red Cross and K. of C. societies of this Town, to aid in a small way the Billerica boys at the front.

Very truly yours,

JOHN M. KENNELLY,

Fish Warden.

REPORT OF SEALER OF WEIGHTS AND MEASURES

I herewith submit my report as Sealer of Weights and Measures for the year ending December 31, 1917:

Scales sealed	52
Scales adjusted	8
Scales non-sealed	10
Weights sealed	91
Weights adjusted	10
Liquid measures sealed.....	25
Measuring pumps sealed.....	3
Measuring pumps condemned.....	1

Respectfully submitted,

JOHN J. RITCHIE,

Sealer.

REPORT OF ASSESSORS

The Assessors of Billerica submit the following report:

Value of real estate April 1, 1917.....	\$4,821,170.00
Value of personal estate April 1, 1917.....	1,203,871.00
	\$6,025,041.00
Rate of taxation per \$1,000.....	\$24.50
Number of polls.....	1,184
Dwelling houses assessed.....	1,630
Horses assessed	376
Cows assessed	806
Neat cattle other than cows.....	23
Swine	125
Fowl	8,540

WM. H. SEXTON,

E. A. KING,

Assessors of Billerica.

REPORT OF HIGHWAY SURVEYOR

Billerica, Mass., Jan. 8, 1918.

To the Board of Selectmen and Citizens of Billerica:

I beg to submit the following report for the year 1917:

During the year the following roads were graveled: Allen Road for a distance of 3,500 ft. in length and 12 ft. in width; Manning Road for a distance of 2,500 ft. in length and 8 ft. in width; Tewksbury Road for a distance of 1,500 feet in length and 10 ft. in width; High Street for a distance of 400 ft. in length and 10 ft. wide; Carlisle Road for a distance of 500 feet in length and 10 ft. in width; Salem Road for a distance of 3,500 ft. in length and 10 ft. in width; Whipple Road for a distance of 150 ft. in length and 10 ft. in width; Andover Road for a distance of 300 ft. in length and 10 ft. in width; Bedford end of Middlesex Turnpike for a distance of 2,000 ft. in length and 8 ft. in width.

On account of the heavy traffic from Sprague's Bridge to Brown's Corner, caused by the closing of County Road, it was necessary to rake in, crown and roll the roads between these points twice during the past year. The roads from Fox Hill Cemetery to King's Corner and from Mason's Corner to the end of Knowles' Lane have been resurfaced, also Bedford Road near Martin's for a distance of 500 ft. The road on Billerica Avenue, for a distance of 400 ft. in length and 10 ft. in width, has been rebuilt with cinders, as well as the road on Town Farm Lane for a distance of 400 ft. in length and 10 ft. in width, and a new road built with cinders on Twombly Avenue. The macadam through different parts of the Town, where needed, has been patched with tar and stone.

Owing to the ever-increasing cost of stone and the scarcity of the same, as well as the increasing freight rates, lack of facilities for transporting, I thought it wise as well as economy to purchase at an extremely low figure of \$1.10 per ton 400 tons of stone. The stone is now piled in the Town yard. At the present time the selling price of the same class of stone is \$1.35 per ton.

Macadam.

Macadam on Boston Road left unfinished at the close of the year 1916 and covered by the appropriations for the same year was built for a distance of 3,000 ft. in length and 18 ft. in width. The macadam in different parts of the Town was repaired as far as possible.

Bridges.

On account of the unsafe condition of both the Mayberry and River Street bridges it was necessary to repair the bridges with new timbers, all new planking and new guard rails.

Sidewalks.

Building new sidewalk on High Street for the distance of 500 ft. on the west end, also building new sidewalk on the east end for a distance of 300 ft. The expenses for the months of November and December were extremely heavy on account of the ice and snow and exceptionally cold weather, which necessitated the constant sanding of sidewalks as well as the removal of snow and ice from the central parts of the Town.

Respectfully submitted,

E. F. TWOMBLY,

Highway Surveyor.

19th Annual Report

OF THE

WATER COMMISSIONERS

STOCK ON HAND JAN. 1, 1918

Maintenance

100 Tons of Coal.....	\$1,000.00
5 Gallons Cylinder Oil.....	2.15

Construction

42 Service Gate Boxes.....	\$ 42.00
1 6 in. Ludlow Gate.....	12.00
2 8 in. Ludlow Gates.....	30.00
75 lbs. Lead Wool.....	9.75
1,500 lbs. Lead.....	158.00
2 Bales of Jute.....	10.00
2 Bales of Oakum.....	8.00
Fittings	10.00
33 ¾ in. Lead Corp. complete.....	100.00
1 Pump Gasket.....	2.00
16 Stock and Waste (1 in. x 1½ in.).....	32.00
Repair Parts for Hydrants.....	25.00
1,960 feet 6 in. Pipe	
612 feet 8 in. Pipe	
192 feet 10 in. Pipe.....	1,317.40
1 foot 6 in. Cross.....	4.50
3 Gate Boxes.....	15.00
6 6 in. Sleeves.....	15.00
1 12 in. x 8 in. Ys.....	15.00
1 12 in. x 10 in. Ys.....	16.00
14 8 x 6 in. T.....	126.00
7 12 in. x 6 in. T.....	105.00
16 6 in. T.....	68.48
1 12 in. x 10 in. T.....	15.00
1 4 in. ⅛ Bend.....	2.50
4 6 in. ⅛ Bend.....	10.80
4 8 in. ⅛ Bend.....	11.00
2 8 in. Sleeves.....	\$ 6.00
1 10 in. Sleeve.....	3.50
1 12 in. Sleeve.....	3.75
4 8 in. Plugs.....	2.00
3 10 in. Plugs.....	2.10
1 10 in. x 8 in. Reducer.....	3.56
1 6 in. Smith Sleeve, complete.....	25.00
2 8 in. Ludlow Gates.....	30.00
3 6 in. Kennedy Gates.....	27.00
3 Kennedy Hydrants.....	86.00
1 Ludlow Hydrant.....	35.00
<hr/>	
18 Meters	\$3,386.49
	209.10
	<hr/>
	\$3,595.59

FINANCIAL STATISTICS

Receipts	Expenses
A Flat Rates\$ 25.00	CC Total Main- tenance ....\$14,277.35
B Meter Rates ... 9,716.79	DD Interest . . . 7,730.00
C Total from Con- sumer \$ 9,741.79	HH Extension of Mains 5,690.60
D Public Build- ings 295.42	II Extension of Services 629.12
E Guarantees 369.50	KK Extension of Meters 434.10
H Sundries 133.29	LL Additional
I Service Piping.. 717.36	Wells 454.59
J Meters 425.46	MM Standpipe Re- pairs 955.97
K Total from Con- sumers 1,645.61	30,171.73
<hr/> \$11,682.82	Appropriation for 1917.....19,999.00
	Hydrants 4,125.00
	<hr/> \$24,124.00
	Maintenance Ex- penses .....\$14,277.35
	Interest 7,730.00
	Service Piping ... 629.12
	Meters 434.10
	<hr/> 23,070.57
	<hr/> Balance \$1,053.43
	Additions and Ex- tensions 15,000.00
	Overdraft 1916 ...\$ 122.06
	Expense 5,568.54
	<hr/> 5,690.60
	<hr/> Balance \$9,309.40
	Wells:
	Balance 1916 \$ 488.26
	Expense 454.59
	<hr/>
	Balance \$ 33.67
	Repairing Standpipe:
	Appropriation \$2,000.00
	Expense 955.97
	<hr/>
	Balance \$1,044.03

PUMPING STATION RECORD

MONTHS	Days Pump in Operation	Time Pump in Operation	Average Per Day	Gallons Pumped	Average Per Day	Daily Consumption Gallons	Pounds of Coal Used		
							For Pumping	For Fire Protection	Total
January	31	H. M. 246 0	H. M. 7 56	9,589,215	309,329	309,329	51,685	8,810	60,495
February	28	255 0	9 40	10,405,536	371,626	371,626	54,535	7,765	62,300
March	31	307 0	9 54	10,335,711	333,410	333,410	57,980	8,143	66,123
April	30	299 0	9 58	9,378,460	312,615	312,615	49,630	8,001	57,631
May	31	325 0	10 29	10,629,101	342,874	342,874	55,365	7,690	63,055
June	30	270 0	9 36	10,685,890	356,196	356,196	56,885	7,595	64,480
July	31	317 0	10 13	12,815,105	413,390	413,390	63,670	8,555	72,225
August	31	270 0	9 56	12,355,127	398,552	398,552	62,755	9,455	72,210
September	30	297 0	9 54	11,112,732	370,424	370,424	58,635	8,265	66,900
October	31	460 0	14 58	16,739,682	539,989	539,989	84,404	4,775	89,179
November	30	345 0	11 30	12,970,405	432,347	432,347	66,029	7,062	73,091
December	31	324 0	10 45	13,077,246	421,846	421,846	69,360	78,060	147,420
Totals	365	3,715 0	124 19	140,094,210	4,602,598	4,602,598	730,933	164,176	895,109
Monthly averages ..	30.4	309 35	10 22	11,672,850	383,550	383,550	60,911	13,681	74,592

DESCRIPTION	Cost	Water Receipts 1917	% Cost
Construction as per 1909.....	\$92,837.36	\$7,750.96	4.4
High Street, 1909.....	1,125.88	42.09	4.
High Street, 1913-14 B. & M.....	6,607.23	719.10	12.
Pond Street, 1909.....	1,413.83	16.48	1.1
Andover Street, 1909.....	285.06	13.48	4.9
Call St., 1910.....	331.00	12.00	3.7
Blanchard Ave.	513.00	24.00	4.8
Higgins, 1912	235.53	12.00	5.3
Chelmsford, 1912	2,490.22	136.32	5.6
Boston Road, 1913.....	12,607.41	91.56	.7
Bedford Road, 1913.....	13,102.87	104.08	.8
Spring Street, 1913.....	660.52		
Wyman Road, 1913.....	2,598.74	72.17	2.9
Allen Road, 1913.....	608.72	14.48	2.4
Webb Brook Road, 1913.....	2,264.98	24.00	1.
Twombly Road, 1913.....	840.29	124.65	16.
Arcadia Hillside and Allen.....	3,170.70	94.25	2.5
Hawes	229.05	18.00	8.
Billerica Garden Suburb.....	2,059.55	193.74	9.4
Verhan Road	449.05	50.47	12.
High Street—Coldwell	341.51	12.00	3.
Colson Heights	192.85	14.97	7.5
McElligott	420.12	38.54	10.
Bridge (Bartlett, Kemp).....	586.64	11.67	2.5
Chadwick Street	764.37	82.13	10.8
Corthell Road, No. 1.....	876.28	95.76	11.
Wallace Road	53.30	25.09	47.
Corthell Road, No. 2.....	464.72	34.59	8.
Lowell Road	405.06	10.00	2.5
Billerica Avenue	2,429.86	97.62	4.
Richardson and Whiting Streets.....	1,268.90	36.00	3.
Railroad Street, 2 in.....	194.15	12.00	6.8
Holt Street	575.44	87.07	15.
Webb Brook Road, 1915.....	437.50	28.32	6.5
Allen Road, 1915.....	763.62	28.00	4.
Bridge and Bridle.....	901.62		
Lexington Road	1,338.51	62.92	5.
Maple Street	514.11	25.70	5.
Salem Road	459.16	17.50	4.
Salem Road, No. 2.....	233.31	10.00	4.5
River View Avenue.....	1,021.85	51.00	5.
Town Farm Lane.....	545.73	12.00	2.1
Preston Street	142.84	12.00	8.5
Mason Avenue, No. 2.....	392.96	32.65	8.
Lexington Road			
Chelmsford Road, No. 2.....	682.11	40.00	5.7

SUMMARY OF STATISTICS FOR THE YEAR ENDING DEC. 31, 1917

Population by census, 1915: 3,246.

Date of construction: 1898.

By whom owned: Town.

Source of supply: Driven wells.

Mode of supply: Pumping to standpipe.

1. Builders of pumping machinery: Bar Pumping Engine Co.
2. Description of fuel used:
 - a. Kind: Bituminous.
 - b. Brand of coal: New River.
 - c. Average price of coal per gross ton, delivered: \$9.95.
3. Coal consumed for year: 895,109 lbs.; for pumping only, 730,933 lbs.
4. Total pumpage for the year: 140,094,210 gallons, without allowance for slip.
5. Average static head against which pumps work: 299.52 ft.
6. Average dynamic head against which pumps work: 322.39.
7. Number of gallons pumped per pound of coal. For pumping only, 191.
8. Number of gallons pumped per pound of coal. Total coal used, 156.
9. Cost of pumping, figured on pumping station expenses: \$8,351.09.
10. Per million gallons pumped: \$59.65.

CONSUMPTION

1. Estimated population at date: 3,746.
2. Estimated population on lines of pipe: 3,000.
3. Population supplied: 2,500.
4. Total consumption for the year: 140,094,210.
5. Average daily consumption: 383,550.
6. Gallons per day to each consumer: 128.
7. Cost of supplying water per million gallons, figured on total maintenance: \$101.98.
8. Total cost of supplying water, figured on total maintenance and interest on bonds: \$157.19.

DISTRIBUTION

1. Kind of pipe: Cast iron.
2. Sizes: From 4 in. to 12 in.
3. Total now in use: 21 miles.
4. Number of hydrants (public and private) now in use: 189.
5. Number of main gates now in use: 125.
6. Number of blow-off gates: 3.
7. Range of pressure on mains: 54 to 125 lbs.

Respectfully submitted,

B. W. KEARNEY,

WARREN HOLDEN,

F. L. DAY,

Water Commissioners.

REPORT OF WATER COMMISSIONERS ON PAINTING THE STANDPIPE.

The Commissioners report as follows:

The standpipe has been painted inside and out, also the 12 in. pipe and ladder in the centre have been removed.

The rivets were in better condition than expected, and it was deemed advisable not to remove any, for in so doing others would be loosened, and the life of the pipe impaired.

The total cost amounts to \$955.97.

B. W. KEARNEY,
WARREN HOLDEN,
F. L. DAY.

REPORT OF PARK COMMISSIONERS

December 29, 1917.

The Board of Billerica Park Commissioners have to report as follows:

The Common at the Center.

During the year the Common has been maintained in a fairly satisfactory manner by Mr. Ernest Bartlett, and an arrangement is being entered into whereby he will continue this work for the coming year. A contract has also been made with Mr. Bartlett to continue the work of 1917, this work to consist of fertilizing the Common and the Triangles with bone meal, filling a low place near the Soldiers' Monument, removing the paths around the Soldiers' Monument and replacing with loam, and resurfacing the River Street Triangle. It is recommended that an appropriation be made for the maintenance of the Common for the year of 1918 of \$150.00, this to include the care of the smaller triangles and the River Street Triangles which heretofore have not been regarded as a part of the Common, although this year Mr. Bartlett has included them.

The topmast of the flag pole on the Common has been broken, and trees adjacent to this pole make it very difficult to put the flag in place. As the two trees in question are important ones, the question of re-locating the flag pole at a point where the flag can be more clearly seen is to be considered by the Town. The question of removing instead of repairing the band stand is also to be considered by the Town.

Fordway Park.

This year's appropriation has been expended in providing soil for the improvement of the rough, ungraded banks for planting, a part of which has been contracted for to be completed in the spring, and for maintenance. Mr. Norris Millbury has been responsible for the very satisfactory maintenance of this Park during the year.

The Kohlrausch Playground.

The appropriation of \$500.00 has been expended in grading operations on this ground, this including a contract that provides for a continuation of this grading up to the full amount of the appropriation in the spring and during the winter. The subgrade of the diamond of the baseball field has been nearly completed, as well

as about one-half of the outfield. The most difficult part of the grading is yet to be completed, and cannot be completed without an additional appropriation. The Town is indebted to the Talbot Mills and to others for a considerable amount of free cinder fill.

On May 12 Community Day was held here. Notwithstanding a rainy day there was an attendance of over four hundred people, including the ladies, who again provided lunches, as they did on the last Community Day. Even though the weather conditions were very unfavorable a considerable amount of grading was done. The Community Shelter was also started, with the assistance of Mr. Matthew McEllman. The loose brush over the whole property was brought together and burned. Miss Sparks was responsible for training the children in folk dances and in the winding of the May-pole and in events that were carried out on the Playground that created much interest.

The speakers of the day were Mr. Robert F. Marden, Mr. Lewis MacBrayne and others.

Music was furnished during the day by the Lowell High School Fife and Drum Corps.

We would again call attention to the fact that the estimates for completing the Playground properly are \$3,000.00. So far only \$1,000.00 has been expended. If the citizens wish to complete this work in a manner that is creditable to the donor and to the memory of the valued citizen to which it stands as a memorial they should raise and appropriate \$2,000.00 this year, or they should appropriate this amount and raise the money by the issue of Town notes, or they should raise and appropriate a portion of the amount each year until the work is completed.

WARREN H. MANNING,
FREDERIC S. CLARK,
J. NELSON PARKER.

At the time of going to press no reports were received from
BOARD OF HEALTH,
CATTLE INSPECTOR,
MEAT INSPECTOR,
MILK INSPECTOR,
MEDICAL INSPECTOR OF SCHOOLS.

REPORT OF THE ELLIOTT FUND FOR AGED WOMEN

Amount on deposit in Mechanics' Savings Bank, Jan. 1, 1917	\$505.82
Interest acerued Jan. 1, 1918.....	20.20
	<hr/>
	\$526.02
Amount expended	10.00
	<hr/>
Amount on deposit Jan. 1, 1918.....	\$516.02

MARY W. EAMES,
Trustee.

AUDITOR'S REPORT

As a full account of the finances of the Town is shown in the report of the Town Accountant, we do not consider it necessary to render an itemized account.

We performed the routine work required until the Town Accountant assumed his duties. We verified the books of the Tax Collector as required by the Bond Commissioner. This work was delayed and made difficult by the death of Mr. Richardson and the delay in appointing another Tax Collector.

We have examined the securities held by the Town and find them as stated in the report of the Town Accountant.

We have also approved the Cash Account of the Treasurer.

GEORGE P. GREENWOOD,
FREDERICK WAIN,
RALPH L. DODGE.

TREASURER'S REPORT

DEC. 31, 1917

Jan. 1, 1917, cash in treasury.....	\$ 21,085.90	
Received from all sources for year ending Dec. 31, 1917.....	272,147.76	
		\$293,233.66
Total payments for year ending Dec. 31, 1917	\$287,282.69	
Cash balance Dec. 31, 1917.....	5,950.97	
		\$293,233.66

The bank books and securities belonging to the Trust Funds of the Town have been placed in a safety deposit box in the vault of The Union National Bank at Lowell, Mass., in accordance with the vote passed at the Town Meeting held Feb. 10, 1917.

ARTHUR S. COOK,
Town Treasurer.

REPORT OF TAX COLLECTOR

JANUARY 1, 1917, TO FEBRUARY 24, 1917

	1916	1915	1914
Uncollected Jan. 1, 1917, excluding Moth	\$20,831.73	\$7,219.69	\$438.31
Additional	1.90	288.38	38.30
Total	\$20,833.63	\$7,508.07	\$476.61
Cash collected	2,109.41	523.75	168.27
Balance uncollected Feb. 24, 1917	\$18,724.22	\$6,984.32	\$308.34

MOTH TAX

Uncollected Jan. 1, 1917.....	\$101.73	\$59.79
Cash collected	10.44	1.45
Balance Feb. 24, 1917.....	\$ 91.29	\$58.34

RECAPITULATION

	1916	1915	1914
Debit:			
Uncollected Jan. 1, 1917.....	\$28,651.25		
Additional 1914	38.30		
Additional 1915	288.38		
Additional 1916	1.90		
Tax Titles Redeemed.....	33.20		
Interest Collected	89.73		
	<hr/>	\$29,102.76	
Credit:			
Paid Treasurer		2,936.25	
		<hr/>	
Balance Feb. 24, 1917.....			\$26,166.51
EVERETT S. BULL, Collector.			

STATEMENT OF TAX COLLECTIONS BY
GUY M. RICHARDSON,

FEBRUARY 24, 1917, TO AUGUST 20, 1917

	1916	1915	1914
Uncollected Feb. 24, 1917.....	\$18,724.22	\$6,984.32	\$308.34
Additional	2.00		
	<hr/>	<hr/>	<hr/>
Total	\$18,726.22	\$6,984.32	\$308.34
Cash Collected	2,769.36	2,076.44	110.03
	<hr/>	<hr/>	<hr/>
Balance uncollected Aug. 20, 1917	\$15,956.86	\$4,907.88	\$198.31

MOTH TAX

Uncollected Feb. 24, 1917.....	\$91.29	\$58.34
Cash Collected	22.39	17.85
	<hr/>	<hr/>
Balance uncollected Aug. 20, 1917	\$68.90	\$40.49

RECAPITULATION

Debit:			
Uncollected Feb. 24, 1917.....	\$26,166.51		
Additional 1916	2.00		
Interest Collected	298.16		
	<hr/>	\$26,466.67	
Credit:			
Paid Treasurer		5,294.23	
Balance Aug. 20, 1917.....			\$21,172.44

REPORT OF THE TAX COLLECTOR

	1917	1916	1915	1914
Balance Sept. 4, exclud- ing Moth		\$15,956.86	\$4,907.88	\$198.31
1917 Commitment:				
Regular	\$150,816.32			
Excise	4,352.39			
	<hr/>			
	\$155,168.71			
Cash Collected	106,986.70	4,442.66	1,214.85	116.33
Abatements & Corrections	249.67	240.29	8.50	81.98
	<hr/>	<hr/>	<hr/>	<hr/>
Balance Dec. 31, 1917...	\$ 47,932.34	\$11,273.91	\$3,684.53	\$000.00

MOTH

	1917	1916	1915	1914
Balance Sept. 4.....		\$68.90	\$40.49	
1917 Commitment	\$739.68			
Collected	472.60	29.60	16.72	
	<hr/>	<hr/>	<hr/>	
Balance Dec. 31, 1917...	\$267.08	\$39.30	\$23.77	

RECAPITULATION

Total Tax uncollected Sept. 4, 1917.....	\$ 21,172.44		
1917 Commitment	155,908.39		
Interest Collected	466.34		
	<hr/>		\$177,547.17
Paid Treasurer	\$113,745.80		
Abatements	580.44		
	<hr/>		114,326.24
			<hr/>
			\$ 63,220.93

FRANK R. HOLDEN.

REPORT OF THE TOWN ACCOUNTANT

TREASURER'S RECEIPTS

TAXES

From Collector

Current Year:

Polls	\$ 1,022.00	
Personal Property	26,861.99	
Real Estate	78,559.08	
	<hr/>	\$106,443.07

Previous Years:

Polls	\$ 652.00	
Personal Property	1,003.59	
Real Estate	11,832.71	
	<hr/>	\$ 13,488.30

Moth Assessments:

Current Year	\$472.60	
Previous Years	98.45	
	<hr/>	\$ 571.05

From Commonwealth

Public Service Corporation.....	\$1,482.03	
Business	3,453.17	
Income	7,003.48	
National Bank	474.06	
Street Railway Corporation.....	45.15	
Soldiers' Exemption	8.67	
	<hr/>	\$ 12,466.56
		<hr/>
		\$132,968.98

Licenses

Pedlers	\$10.00	
Slaughter House	1.00	
	<hr/>	\$ 11.00

Amounts carried forward....

\$11.00 \$132,968.98

Amounts brought forward...		\$11.00	\$132,968.98
Fines			
Police Court	\$	97.00	
Grants and Gifts			
Industrial School	\$273.75		
Dog Licenses	407.38		
		\$	681.13
Privileges			
Excise Tax	\$	541.18	
			1,330.31
			<u>\$134,299.29</u>

DEPARTMENTAL**General Government**

Selectmen:			
Refund Hearing Expenses.....	\$	.95	
Tax Collector:			
Telephone Tolls		7.00	
Town Clerk:			
Refund	\$9.00		
Telephone Tolls .....	.25		
			\$9.25

Public Buildings

Rent of Town Hall.....	\$46.00		
Rent of Union Hall.....	24.00		
			\$70.00

Fire Department

Telephone Tolls		\$10.17	
Sealer of Weights and Measures			
Fees Collected		\$27.97	

Moth Department

From Commonwealth Account			
Sprayer	\$380.51		
Telephone Tolls .....	.25		
			\$380.76

Highway Department

Sales:			
Cart	\$20.00		
Crushed Stone	5.03		
Dressing	51.00		
			\$76.03
Rent of Steam Roller.....		100.00	
Pay Roll Tailings.....		4.80	
From Commonwealth		26.25	

Macadam Construction

Boston Road	\$13,356.11		
Concord Road	1,700.00		
			\$15,056.11

Town Farm

Sales of Products.....		\$3,566.14	
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Amounts carried forward....	\$19,335.43	\$134,299.29
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Amounts brought forward...

\$19,335.43 \$134,299.29

Outside Relief

Reimbursements by Commonwealth:

Temporary Aid	\$ 674.11
Mothers' Aid	1,132.31
Burial	15.00

\$1,821.42
State Aid

Reimbursements by Commonwealth

\$736.00

Schools

Tuition State Wards.....	\$ 58.50
Other Tuition	199.30
Sale of Hay, Howe School Lot....	26.00
Plates for Benches.....	12.20
Telephone Tolls, Tickets, etc.....	43.30

\$339.30

\$22,232.15
Unclassified

Sale of Land South Billerica.....	\$100.00
Use of Town Scales.....	106.59

\$206.59
Water Department

Meter Rates	\$10,012.21
Flat Rates	25.00

\$10,037.21

Miscellaneous:

Guarantees	\$369.50
Service Piping	717.36
Meters	425.46
Sundry Receipts	118.70

\$1,631.02

\$11,668.23
Cemeteries

Sale of Lots.....	\$70.00
Care of Lots:	
From Individuals	\$627.03
From Perpetual Care Funds...	533.00

\$1,160.03

\$1,230.03
Interest

Deposits	\$389.38
Deferred Taxes and Assessments.	854.23
Sinking Funds:	

Water Works Loan.....	\$1,773.82
Town Hall Loan.....	1,040.06
School House Loan.....	706.10

\$3,519.98

Cemetery Trust Funds:

Fox Hill Cemetery.....	\$204.46
North Cemetery	285.64
South Cemetery	103.44

\$593.54

Amounts carried forward....

\$5,357.13 \$169,636.29

Amounts brought forward...	\$5,357.13	\$169,636.29
Other Trust Funds:		
Bowers Fund	\$705.60	
Winthrop Faulkner Fund.....	41.25	
Abbott Singing Fund.....	79.00	
Common Seat Fund.....	2.24	
Watering Trough Fund.....	1.26	
	<hr/>	\$6,186.48
Loans		
Anticipation of Revenue.....	\$75,000.00	
Water Bonds	15,000.00	
	<hr/>	\$90,000.00
Trusts and Investments		
Cemetery Perpetual Care Funds..	\$ 900.00	
Winthrop Faulkner Fund.....	1,000.00	
Bowers Fund	1,600.00	
Water Sinking Fund.....	1,000.00	
	<hr/>	\$4,500.00
Refunds		
Taxes.....	\$180.05	
Interest	665.00	
Highway Department	347.23	
Water Department	324.97	
Elm Beetle Department.....	11.00	
Tree Warden Department.....	31.75	
Town Farm Department.....	262.83	
Schools Department	1.16	
Cemeteries Department	1.00	
	<hr/>	\$1,824.99
		<hr/>
Cash on Hand January 1, 1917..		\$272,147.76
		21,085.90
		<hr/>
		\$293,233.66

EXPENDITURES

DEPARTMENTAL

General Government

Finance Committee

Typewriting	\$ 2.25	
Printing Reports	17.50	
	<hr/>	\$19.75

Water Main and Standpipe

Committee

Engineers' Inspection	\$124.00	
Estimates	43.75	
Auto Hire	18.00	
Stenographer	3.00	
Printing Reports	8.50	
	<hr/>	\$197.25

Amount carried forward.....		<hr/>
		\$217.00

Amount brought forward.... \$217.00

Selectmen

Salaries	\$737.50	
Stationery and Postage.....	43.07	
Printing and Advertising.....	110.40	
Telephone	44.36	
Distributing Town Reports.....	10.00	
Freight and Cartage.....	3.50	
		<hr/>
		\$948.83

Accounting Department

Auditors:		
Salaries	\$150.00	
Stationery and Postage.....	42.75	
		<hr/>
		\$192.75
Accountant:		
Salary	\$600.00	
Stationery and Postage.....	39.68	
Telephone	12.00	
		<hr/>
		\$651.68
Special Auditor:		
Salary for 1916.....	\$150.00	
		<hr/>
		\$994.43

Treasury Department

Salary	\$400.00	
Stationery and Postage.....	44.75	
Car Fares	15.55	
Telephone	12.00	
Bond	120.00	
		<hr/>
		\$592.30

Collector's Department

Salary	\$600.00	
Stationery and Postage.....	168.53	
Telephone	17.55	
Bond	50.00	
Express .....	.52	
		<hr/>
		\$836.60

Assessors' Department

Salaries	\$950.00	
Stationery and Postage.....	25.82	
Printing and Advertising.....	33.50	
Transportation	30.00	
List of Stockholders.....	5.73	
Real Estate Transfers.....	54.40	
		<hr/>
		\$1,099.45

Other Finance Officers and

Accounts

Certifying Town Notes and Bonds	\$27.00	
Printing Bonds	50.00	
Rent of Safety Deposit Box.....	25.00	
		<hr/>
		\$102.00

Law Department

Legal Advice	\$450.10	
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Amount carried forward.... \$5,240.71

Amount brought forward....

\$5,240.71

Town Clerk's Department

Salary	\$300.00
Recording Fees	40.05
Indexing Records	50.00
Stationery and Postage.....	54.50
Telephone	13.74
Refund	9.00
Car Fares	14.70
Recording Deed .....	.75
Express	1.05

 \$483.79
Election and Registration

Registrars of Voters.....	\$200.00
Election Officers	402.00
Stationery	1.00
Printing	25.00
Meals	4.90
Rent of Room for Registrars....	14.00

 \$646.90
Maintenance of Halls**Town Hall:**

Janitor	\$263.50
Other Help	106.40
Fuel	262.87
Light	131.51
Janitor's Supplies	52.94
Repairs	67.19
Insurance	77.20
Telephone	42.12
Filing Section	37.80
Water	24.00
Tuning Piano	6.50
Cleaning Cesspool	5.00
Express and Freight.....	1.57

 \$1,078.60
Union Hall:

Janitor	29.17
Fuel	1.50
Repairs	8.31
Water	6.00

 \$44.98

 \$1,123.58
Police Department

Regular Officers	\$2,376.00
Special Officers	377.78
	<hr/>
	\$2,753.78
Auto Hire	528.00
Equipment for Men.....	43.91
Stationery, Printing and Postage.	14.10
Telephones	95.35
Car Fares	21.62
Transportation and Food for Prisoners	30.90

Amounts carried forward...

 \$3,487.66

 \$7,494.98

Amounts brought forward...		\$3,487.66	\$7,494.98
Auto List		15.00	
Dynamite		50.00	
Warning Signs		28.84	
Labor Putting Up Same.....		8.25	
Posts		1.60	
Hospital Expense		28.00	
Medical Expense		17.00	
Hotel Expense		4.50	
Groceries		1.39	
Hardware		1.86	
Cartage		1.50	
Guarding Water Works:			
Special Officers	142.50		
Equipment	40.09		
Guard Houses	61.17		
		<u>\$243.76</u>	
			\$3,889.36

Fire Department

Salaries and Wages:			
Engineers	\$ 433.34		
Call Men	4,301.52		
Other Employees	7.15		
		<u>\$4,742.01</u>	
Transportation:			
Horse Hire	\$236.50		
Gasoline and Oil.....	21.45		
Auto Hire	40.00		
		<u>\$297.95</u>	
Apparatus and Equipment:			
Apparatus Repairs	\$ 10.13		
Nozzles and Play Pipes.....	77.50		
Equipment for Men.....	172.12		
Extinguishers	123.00		
Funnel .....	.75		
Extinguisher Holders	2.75		
Truck Storage	31.00		
		<u>\$417.25</u>	
Fire Alarm System.....		696.30	
Chemicals		98.03	
Maintenance of Buildings:			
Janitors	\$106.00		
Fuel	103.73		
Light	37.09		
Repairs	52.71		
Closets and Furnishings.....	22.00		
Janitors' Supplies	1.61		
		<u>\$323.14</u>	
Stationery, Printing and Postage.		31.80	
Telephone		65.17	
Insurance		212.05	
Express and Freight.....		4.78	
		<u>\$6,888.48</u>	
New Apparatus			
Combination Fire Truck.....			\$5,700.00
Amount carried forward....			<u>\$23,972.80</u>

Amount brought forward.... \$23,972.80

Fireproof Fire Station

Survey	\$ 36.25	
Land	1,050.00	
Contractor	1,433.44	
Architect	343.00	
Water	31.90	
	<hr/>	\$2,894.59

Sealer of Weights and Measures

Salary	\$100.00	
Dies	4.00	
Expense	25.00	
	<hr/>	\$129.00

INSECT PEST EXTERMINATION

Gypsy and Brown Tail Moth

Salaries and Wages:		
Superintendent	\$ 849.00	
Labor	1,731.44	
	<hr/>	\$2,580.44
Stationery, Printing and Postage.	9.14	
Telephone	13.81	
Sprayer Expense	33.76	
Hardware and Tools.....	16.43	
Team Hire	282.00	
Expense to Convention.....	2.00	
Advertising	4.90	
Freight, Express and Cartage....	8.19	
	<hr/>	\$2,950.67

New Apparatus

Power Sprayer	\$600.00
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Elm Beetle

Salaries and Wages:		
Superintendent	36.00	
Labor	\$187.00	
	<hr/>	\$223.00
Team Hire	70.00	
Gasoline	6.44	
	<hr/>	\$299.44

Tree Warden

Salaries and Wages:		
Superintendent	\$72.00	
Labor	78.15	
	<hr/>	\$150.15
Hardware and Tools.....	8.25	
Team Hire	24.00	
Expense to Convention.....	2.00	
Advertising	2.94	
	<hr/>	\$187.34

Forest Warden

Salary	\$100.00
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Amount carried forward.... \$31,133.86

Amount brought forward....

\$31,133.86

Fish Warden

Salary

\$10.00

Health and Sanitation

Salaries—Board of Health.....

\$250.00

Stationery

.50

Auto Hire

5.00

Contagious Diseases:

Groceries and Provisions.....

\$15.26

Loss of Wages.....

58.50

Hospital Treatment

35.71

\$109.47

Tuberculosis:

Board and Treatment.....

128.58

Birth Returns

10.50

Fumigation

14.00

Culture Examinations

49.00

Labor at Dump and Wheelbarrow.

25.48

Burying Meat

.25

Inspection:

School Children

\$500.00

Animals

100.00

Meat and Provisions.....

338.80

938.80

\$1,531.58**Stearns and Blanchard Brooks**

Labor—Sanitary Care

\$35.75

Highways

Salaries and Wages:

Superintendent

\$ 819.00

Clerk

50.00

Labor

5,334.54

Team Hire

740.90

\$6,944.44

Telephone

19.93

Transportation

604.00

Broken Stone, Gravel, Tar, etc...

975.88

Equipment and Repairs.....

1,466.35

Hay, Grain and Straw.....

1,353.56

Freight and Express.....

758.59

Veterinary and Drugs.....

49.20

Water

12.00

Coal

65.69

Stationery and Supplies.....

1.43

Lumber, Pipe and Brick.....

66.64

Signs

35.25

Surveys

16.00

Boiler Inspection

5.00

Town Barn Repairs.....

49.85

Damages to Land—Moulton.....

50.00

\$12,473.81

Amount carried forward...

\$45,185.00

Amount brought forward....	\$45,185.00
Commonwealth Highway Tax....	\$116.00

Sidewalks

Salaries and Wages:	
Superintendent	\$ 21.00
Clerk	25.00
Labor	138.35
Teams	12.00
	<hr/>
	\$196.35
Gravel	10.80
Hay	6.38
Equipment	2.48
	<hr/>
	\$216.01

High Street Sidewalk

Salaries and Wages:	
Superintendent	\$ 70.00
Labor	344.80
Teams	8.00
	<hr/>
	\$422.80
Crushed Stone and Gravel.....	58.25
Freight	13.70
Telephone	1.63
Equipment	41.00
Oil	1.30
	<hr/>
	\$538.68

Snow and Ice Removal

Salaries and Wages:	
Superintendent	\$ 63.00
Labor	519.55
Teams	475.85
	<hr/>
	\$1,058.40
Equipment	300.00
	<hr/>
	\$1,358.40

**Macadam Construction
Concord Road**

Tarvia	\$552.06
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Boston Road—Old Job

Salaries and Wages:	
Superintendent	\$ 91.00
Labor	1,014.70
Teams	524.75
	<hr/>
	\$1,630.45
Crushed Stone and Tar.....	2,595.63
Freight	471.43
Equipment and Repairs.....	51.94
Fuel	53.31
	<hr/>
	\$4,802.76

Boston Road—New Job

Paid on Contract Account.....	\$13,698.45
	<hr/>
Amount carried forward....	\$66,467.36

Amount brought forward....

\$66,467.36

Relaying Walls on Pond Street

Labor	\$113.50
Gravel	1.00
Teams	27.00

\$141.50**River Street Bridge**

Labor	\$246.40
Lumber	447.44

\$693.84**Other Bridges**

Labor	\$240.35
Lumber	524.74

\$765.09**Middlesex Turnpike****Salaries and Wages:**

Superintendent	\$ 70.00
Labor	663.10
Teams	32.00

\$ 765.10

Hay and Grain.....	173.72
Coal	47.28
Equipment and Repairs.....	94.62
Contract on Culvert and Perching.	1,461.72
Lumber	254.79

\$2,797.23**Street Lights**

Street Lighting \$4,020.10

Damages to Property, Boston Road

Awards as Voted at Town Meeting \$295.00

Charities

Salary of Overseers..... \$400.00

Outside Relief:

Stationery, Printing and Postage	\$ 7.74
Telephone	17.37
Groceries and Provisions.....	114.28
Coal and Wood.....	15.00
Board and Care.....	592.90
Medicine and Medical Attendance	58.00
State Institution	9.00
Cash Aid	206.00
Aid for Other Cities.....	46.00
Mothers' Aid	1,480.08
Burial	15.00
Overseers' Expense	12.28

\$2,573.65**From Income of Bowers Fund:**

Groceries and Provisions.....	\$338.02
Coal and Wood.....	77.01
Dry Goods	4.77

\$419.80

Amounts carried forward....

\$3,393.45

\$75,180.12

Amounts brought forward...		\$3,393.45	\$75,180.12
Town Farm:			
Superintendent	\$650.00		
Labor	565.26		
Groceries and Provisions.....	746.64		
Dry Goods and Clothing.....	56.97		
Building Repairs	23.71		
Fuel and Light.....	175.66		
Hay and Grain.....	836.78		
Live Stock	419.00		
Telephone	34.92		
Medicine and Medical Attendance	5.64		
Hardware Supplies	29.52		
Veterinary	2.00		
Filling Silo	51.83		
Use of Stove.....	15.00		
Seeds	52.51		
Fertilizer	54.65		
Nursery Stock	17.00		
Plants	16.20		
Water	57.59		
Subscription to Courier-Citizen.	7.25		
Stove	86.50		
Taxes	7.81		
Basket .....	.90		
Advertising .....	.91		
Electric Iron	4.00		
Express and Freight.....	1.35		
Stable Equipment	71.80		
Step Ladder	2.50		
Insurance	79.50		
		<u>\$4,073.40</u>	
			\$7,466.85
State Aid			
Civil War Cases.....		\$ 692.00	
German War Cases.....		1,599.66	
		<u></u>	\$2,291.66
Schools			
General Expenses:			
School Committee	\$ 180.00		
Superintendent	510.00		
Truant Officers	50.00		
Stationery, Printing and Postage	76.85		
Telephone	89.57		
Travelling Expenses	18.92		
Freight Express and Cartage...	75.28		
Warning Signs	4.50		
Labor Putting Up Same.....	1.65		
Advertising	5.88		
Industrial School Tuition.....	287.50		
Transportation	4,086.22		
Support of Truants.....	27.00		
Diplomas and Graduation Ex-			
penses	83.16		
		<u>\$5,496.53</u>	
Amounts carried forward....		\$5,496.53	\$84,938.63

Amounts brought forward...	\$5,496.53	\$84,938.63
Teachers' Salaries:		
Howe School	\$8,650.00	
Pollard and Talbot Schools.....	8,193.70	
Special Teachers	1,376.00	
	<hr/>	\$18,219.70
Text Books and Supplies:		
Text and Reference Books.....	\$ 900.24	
Supplies	1,317.59	
	<hr/>	\$2,217.83
Janitors' Salaries:		
Howe School	\$1,388.96	
Elementary Schools	1,440.00	
	<hr/>	\$2,828.96
Fuel and Light:		
Howe School	\$2,213.29	
Elementary Schools	2,125.96	
	<hr/>	\$4,339.25
Maintenance Buildings and Grounds		
Howe School:		
Repairs	\$146.10	
Janitors' Supplies	106.27	
Water	53.83	
Fire Extinguishers	88.32	
	<hr/>	\$394.52
Elementary:		
Repairs	\$2,355.23	
Janitors' Supplies	180.70	
Water	149.00	
Removing Ashes	66.00	
	<hr/>	\$2,750.93
New Equipment in Howe School:		
Water Heater and Tank.....	\$450.25	
Electric Clock and Batteries...	765.50	
Weather Strips	563.00	
	<hr/>	\$1,778.75
Furniture and Furnishings:		
Howe School	\$374.33	
Elementary Schools	336.55	
	<hr/>	\$710.88
	<hr/>	\$38,737.35
Architect	\$ 321.35	
Engineer	206.80	
General Contractor	11,179.77	
Electrical Contractor	477.20	
Water Service	216.64	
Legal Advice	17.00	
Equipment	264.52	
Grading Grounds	72.25	
Dedication Expense	35.43	
Freight and Express.....	1.49	
	<hr/>	\$12,792.45
Amount brought forward....		\$136,468.43

Amount brought forward....

\$136,468.43

Libraries

Bennett Public Library Association

\$62.50

Parks and Playgrounds

Common and Greens in Center:

Care \$125.00

Painting Tubs85

\$125.85

Flag Pole:

New Flag \$78.50

Repairs 6.50

Express58

\$85.58

Fordway Park:

Care \$25.00

Improvements 86.25

Loam 15.00

\$126.25

Kohlrausch Playground:

Labor and Teams..... \$568.08

Cement 5.90

\$573.98

\$911.66**UNCLASSIFIED****Printing**

Town Reports

\$396.08

Town Clock

Care of Same.....

\$37.50

Compensation E. A. Barker

Special Remuneration

\$325.00

CashAdjustment Bank Balance Jan. 1,
1917

\$3.65

Accounting System

Installation and Supplies.....

\$792.50

Billerica Veterans' Association

Memorial Day

\$125.00

\$1,679.73**WATER DEPARTMENT****Maintenance**

Superintendent \$1,271.50

Clerk 290.83

Stationery and Postage..... 121.60

Printing and Advertising..... 124.72

Telephone 145.17

Insurance 82.00

Survey of Town..... 75.00

Amounts carried forward.... \$2,110.82

\$139,122.32

Amounts brought forward...	\$2,110.82	\$139,122.32
Superintendent's Expense	8.62	
Labor	1,258.67	
Auto Hire and Expense.....	837.79	
Pipe and Fittings.....	746.22	
Meters and Fittings.....	500.24	
Equipment and Repairs.....	366.96	
Freight and Cartage.....	37.96	
Rebates	3.79	
Engineer Examining Standpipe...	32.18	
Thawing Water	40.75	
Lime	1.50	
Oil .....	.60	
Medical Attendance	58.50	
Damages to Property.....	400.00	
	<hr/>	\$6,404.60
Service Piping		
Labor	\$409.74	
Pipe and Fittings.....	228.35	
Oil .....	.70	
Freight	1.97	
	<hr/>	\$640.76
Pumping Station		
Engineer	\$1,391.96	
Labor	1,150.51	
Oil Waste and Packing.....	120.84	
Coal	4,564.86	
Repairs on Building.....	114.85	
Engineers' Supplies	186.18	
Freight and Cartage on Coal....	585.02	
Express	2.00	
Matting	44.20	
Valves	8.48	
Pump Repairs	78.10	
Dies	19.20	
Piston	14.90	
Press	5.26	
Light	8.85	
	<hr/>	\$8,295.21
		\$15,340.57
Extensions of Mains		
Labor	\$1,738.59	
Pipe and Fittings.....	2,982.58	
Equipment and Repairs.....	122.56	
Freight and Cartage.....	203.17	
Truck Hire	116.00	
Dynamite and Exploders.....	61.00	
Advertising .....	.40	
Lead	268.78	
Hospital Expense	8.00	
Oil .....	.65	
Superintendent's Expense	1.81	
Bond Expense	65.00	
Overdraft 1916	122.06	
	<hr/>	\$5,690.60
Amount carried forward....		\$160,153.49

Amount brought forward....		\$160,153.49
New Wells		
Labor	\$315.83	
Material	38.76	
		<hr/>
		\$454.59
Standpipe Repairs		
Contractor for Painting and Re- pairing	\$525.00	
Taking Down Pipe.....	150.00	
Automatic Valve	44.54	
Labor	201.11	
Freight and Cartage and Truck...	27.32	
Light	8.00	
		<hr/>
		\$955.97
Cemeteries		
Superintendent and Team.....	\$1,300.00	
Labor	582.86	
Loam	101.85	
Grass Seed	6.50	
Equipment and Repairs.....	48.23	
Telephone	19.48	
Postage and Stationery.....	6.33	
Freight and Express.....	2.44	
Cement and Salt.....	13.45	
		<hr/>
		\$2,081.14
Fox Hill Addition		
Land	\$350.00	
Survey	4.75	
Recording Deed .....	.65	
Labor	49.40	
		<hr/>
		\$404.80
		<hr/>
		\$2,485.94
Interest		
Temporary Loans:		
Anticipation of Revenue.....	\$1,843.40	
General Loans:		
Trustees Howe School—Refund- ing	\$ 320.00	
Bowers Fund—Refunding	280.00	
Concrete Bridges	307.50	
Town Hall	1,200.00	
Talbot School	8.75	
Howe School	3,330.00	
		<hr/>
		\$6,312.50
Public Service Enterprises:		
Water Loans	\$7,730.00	
		<hr/>
		\$15,885.90
Municipal Indebtedness		
Temporary Loans:		
Anticipation of Revenue.....	\$65,000.00	
General Loans:		
High School	\$4,500.00	
Concrete Bridges	2,000.00	
Bowers Fund	1,000.00	
		<hr/>
		\$7,500.00
		<hr/>
Amounts carried forward....	\$72,500.00	\$179,935.89

Amounts brought forward...	\$72,500.00	\$179,935.89
Public Service Enterprises:		
Water Bonds	\$3,000.00	
	<hr/>	\$75,500.00
State and County Taxes		
State Tax	\$11,880.00	
County Tax	5,433.26	
	<hr/>	\$17,313.26
Trusts and Investments		
Cemetery Perpetual Care Funds:		
Bequests	\$900.00	
Income brought forward from		
1916	188.79	
Current Year Income.....	593.54	
	<hr/>	\$1,682.33
Sinking Funds:		
Water	\$4,773.82	
Town Hall	1,840.06	
School House	1,581.10	
	<hr/>	\$8,194.98
Winthrop Faulkner Fund.....	1,000.00	
Bowers Fund	1,935.80	
Abbott Singing Fund.....	79.00	
Common Seat Fund.....	2.24	
Watering Trough Fund.....	1.26	
	<hr/>	\$12,895.61
Refunds		
Taxes	\$180.05	
Town Farm	262.83	
Interest	665.00	
Highways	347.23	
Water	324.97	
Elm Beetle	11.00	
Tree Warden	31.75	
Schools	1.16	
Cemeteries	1.00	
	<hr/>	\$1,824.99
		<hr/>
Deductions		\$287,469.75
Overdraft Extension Water Mains		
1916	\$122.06	
Transfer from Extension of Water		
Mains to Other Finance Offi-		
cers and Accounts.....	65.00	
	<hr/>	\$187.06
Total Expenditures		\$287,282.69
Cash Balance Dec. 31, 1917.....		5,950.97
		<hr/>
		\$293,233.66

APPROPRIATION ACCOUNTS

RECAPITULATION

	Appropriations and Transfers	Expendi- tures	Balance
Town By-Laws Committee.....	\$ 100.00		\$ 100.00
Water Main and Standpipe Com- mittee	300.00	\$ 197.25	102.75
Treasurer's and Collector's Bonds.	290.00	170.00	120.00
Assessors' Special	150.00	149.45	.55
Indexing Records	50.00	50.00	
Election Officers	407.00	402.00	5.00
Public Buildings	1,548.70	1,084.62	464.08
Fire Department	7,712.05	7,338.48	373.57
Fire Station and Equipment.....	10,000.00	2,894.59	7,105.41
Fire Truck	5,700.00	5,700.00	
Moth Department	3,077.76	2,950.67	127.09
Moth Sprayer	600.00	600.00	
Elm Beetle	300.00	299.44	.56
Tree Warden	200.00	187.34	12.66
Stearns and Blanchard Brooks....	100.00	35.75	64.25
Middlesex Turnpike	2,800.00	2,797.23	2.77
Pond Street Walls.....	143.85	141.50	2.35
Bridges	800.00	765.09	34.91
River Street Bridge.....	700.00	693.84	6.16
Boston Road Macadam—Old Job..	6,638.23	6,638.23	
Boston Road Macadam—New Job.	16,056.11	13,698.45	2,357.66
Concord Road Macadam.....	1,812.02	1,530.31	281.71
Damages to Property Boston Road.	295.00	295.00	
Sidewalks	300.00	216.01	83.99
High Street Sidewalk.....	550.00	538.68	11.32
Curbing Faulkner Street.....	650.00		650.00
Street Lighting	4,150.00	4,020.10	129.90
Town Farm	4,084.75	4,078.65	6.10
Outside Relief	2,821.42	2,573.65	247.77
Schools	38,354.82	38,269.85	84.97
New High School.....	12,815.13	12,793.61	21.52
Grading High School Grounds....	1,000.00		1,000.00
Parks	150.00	25.00	125.00
Common and Town Pump.....	100.85	100.85	
Kohlrausch Playground	697.94	573.98	123.96
Fordway Park	199.60	126.25	73.35
Compensation to E. A. Barker....	325.00	325.00	
Memorial Day	125.00	125.00	
Printing	750.00	598.46	151.54
Incidentals	1,400.00	1,231.75	168.25
Insurance	1,300.00	368.75	931.25
Salaries	5,727.50	5,727.50	
Water Maintenance	24,124.00	23,068.98	1,055.02
Additional Supply	488.26	454.59	33.67
Extensions and Additions.....	15,000.00	5,692.19	9,307.81
Standpipe Repairs	2,000.00	955.97	1,044.03
Hydrants	4,125.00	4,125.00	
John J. Evans Contract.....	1,000.00		1,000.00
Cemeteries	2,160.03	2,081.14	78.89
Fox Hill Addition.....	500.00	404.80	95.20

	Appropriations and Transfers	Expendi- tures	Balance
Interest	12,386.40	10,565.90	1,820.50
Town Hall Sinking Fund and Bond Interest	2,000.00	2,000.00	
School House Sinking Fund and Bond Interest	1,750.00	1,750.00	
High School Bond Interest.....	3,420.00	3,330.00	90.00
Town Notes	10,500.00	10,500.00	
Water Sinking Fund.....	1,800.00	1,800.00	
Constable, Janitor and Police.....	3,597.00	3,899.82	*302.82
Board of Health Expenses.....	600.00	681.58	*81.58
Highways	7,013.99	7,461.45	*447.46
Street Railway, Excise and Corpo- ration Tax	4,619.60	6,606.81	*1,987.21
*Overdraft.			

TAX STATEMENT DECEMBER 31, 1917

	Uncollected Jan. 1, 1917	Collected During 1917	Balance Dec. 31, 1917
Tax of 1914.....	\$ 438.31	\$ 476.61	
Additional	38.30		
Tax of 1915.....	7,219.69	3,823.54	3,684.53
Additional	288.38		
Tax of 1916.....	20,831.73	9,561.72	11,273.91
Additional	3.90		
Tax of 1917.....	155,168.71	107,236.37	47,932.34

MOTH ASSESSMENTS

Assessed in 1915.....	\$ 59.79	\$ 36.02	\$ 23.77
Assessed in 1916.....	101.73	62.43	39.30
Assessed in 1917.....	739.68	472.60	267.08

REPORT OF CEMETERY TRUST FUNDS

	Amt. of Fund Jan. 1, 1917	1917 Income	Total	Paid in 1917	Balance Dec. 1, 1917
Fox Hill					
Thompson Fund	\$1,124.66	\$ 32.58	\$1,157.24	\$ 30.00	\$1,127.24
Joel Baldwin Fund.....	115.90	4.56	120.46	4.00	116.46
Gray Fund	588.20	23.74	611.94	30.00	581.94
Olivia A. Stearns Fund.	110.35	4.44	114.79	4.00	110.79
A. W. Patten Fund.....	418.41	16.88	435.29	15.00	420.29
Bohonan Fund	84.52	3.40	87.92	3.00	84.92
Frost Fund	102.39	4.12	106.51	3.00	103.51
Esther A. Holden Fund.	108.94	4.38	113.32	4.00	109.32
Wm. A. Burrows Fund.	112.02	4.52	116.54	16.00	100.54
John Fisk Fund.....	50.18	2.02	52.20	2.00	50.20
George H. Hall Fund...	212.32	8.56	220.88	6.00	214.88
Samuel H. King Fund..	109.54	4.40	113.94	4.00	109.94
Gilman Fund	100.36	4.04	104.40	4.00	100.40
Rosa Gatter Fund.....	219.66	8.86	228.52	8.00	220.52
Palmer Fund	107.90	4.34	112.24	4.00	108.24
Baldwin Fund	107.90	4.34	112.24	4.00	108.24
Holden Fund	107.90	4.34	112.24	4.00	108.24

	Amt. of Fund Jan. 1, 1917	1917 Income	Total	Paid in 1917	Balance Dec. 1, 1917
Spaulding Fund	153.74	6.18	159.92	5.00	154.92
Alexander Fund	161.18	6.50	167.68	5.00	162.68
Shedd-Sanborn Fund ..	102.58	4.12	106.70	4.00	102.70
Bennink Fund	161.18	6.50	167.68	4.00	163.68
Andrews Fund	101.26	4.08	105.34	4.00	101.34
Harlow Colby Fund....	103.26	4.16	107.42	4.00	103.42
Folsom Fund	105.38	4.24	109.62	4.00	105.62
Underhill Fund	103.18	4.16	107.34	4.00	103.34
Crosby & Lowell Fund.	209.36	8.44	217.80	8.00	209.80
Wild Fund	78.35	3.14	81.49	3.00	78.49
Fisk Fund	103.02	4.16	107.18	4.00	103.18
Salaway Fund	77.25	3.10	80.35	2.00	78.35
Palmer Fund	103.26	4.16	107.42	4.00	103.42
D. H. Spiller Fund....	100.00	2.00	102.00		102.00
J. & J. Wright Fund...	300.00		300.00		300.00
A. H. Richardson Fund.	200.00		200.00		200.00
	\$5,944.15	\$204.46	\$6,148.61	\$200.00	\$5,948.61

South Cemetery

Sweetser Fund	\$1,464.47	\$ 66.34	\$1,530.81	\$50.00	\$1,480.81
Thomas Sumner Fund..	110.91	4.46	115.37	5.00	110.37
Mary F. J. Foster Fund	114.36	4.60	118.96	5.00	113.96
Susan E. Hutchins Fund	112.53	4.52	117.05	5.00	112.05
Jaquith Fund	140.99	5.66	146.65	5.00	141.65
Abigail Jaquith Fund..	104.90	4.20	109.10	4.00	105.10
Holden Fund	106.37	4.28	110.65	4.00	106.65
Joseph Jaquith Fund...	104.18	4.20	108.38	4.00	104.38
Foster Fund	128.64	5.18	133.82	5.00	128.82
	\$2,387.35	\$103.44	\$2,490.79	\$87.00	\$2,403.79

North Cemetery

Sawyer Fund	\$ 142.92		\$ 142.92		\$ 142.92
Samuel Osgood Fund...	116.61	\$ 4.68	121.29	\$ 4.00	117.29
Josiah Rogers Fund....	252.76	10.18	262.94	10.00	252.94
Isaac Knafton Fund....	101.40	4.08	105.48	4.00	101.48
Bryant Fund	164.93	6.64	171.57	10.00	161.57
Betsey Cowdrey Fund..	53.47	2.14	55.61	2.00	53.61
Balmforth Fund	109.50	4.40	113.90	4.00	109.90
Shedd Fund	131.49	5.30	136.79	5.00	131.79
Calvin Rogers Fund....	361.76	14.58	376.34	10.00	366.34
Amos Cray Fund.....	285.42	11.52	296.94	10.00	286.94
Francis V. Noyes Fund.	252.24	10.18	262.42	6.00	256.42
Faulkner Fund	1,386.55	62.80	1,449.35	20.00	1,429.35
Levi Sprague Fund....	371.33	14.98	386.31	20.00	366.31
Maria Dows Fund.....	262.45	10.58	273.03	23.00	250.03
Faulkner Wild Randlett Fund	320.11	12.92	333.03	12.00	321.03
Mary M. Shores Fund..	115.35	4.64	119.99	4.00	115.99
H. M. Hutchins Fund..	51.56	2.06	53.62	2.00	51.62
Andrew Handley Fund.	102.10	4.12	106.22	4.00	102.22
Georgiana Rogers Fund	167.74	6.76	174.50	10.00	164.50
A. R. Richardson Fund.	336.06	13.56	349.62	18.00	331.62
Higson & Switzer Fund.	108.10	4.36	112.46	4.00	108.46
Abbott Fund	106.06	4.28	110.34	4.00	106.34
H. W. Sheldon Fund...	109.36	4.40	113.76	4.00	109.76

	Amt. of Fund Jan. 1, 1917	1917 Income	Total	Paid in 1917	Balance Dec. 1, 1917
Coffey Fund	105.60	4.24	109.84	4.00	105.84
Walker Fund	106.82	4.28	111.10	4.00	107.10
W. O. Sheldon Fund....	106.24	4.28	110.52	5.00	105.52
Spaulding Fund	107.90	4.34	112.24	4.00	108.24
Bottomley Fund	105.38	4.24	109.62	4.00	105.62
Ritchie Fund	105.38	4.24	109.62	4.00	105.62
Jennie S. Twombly Fund	107.18	4.32	111.50	10.00	101.50
W. A. Evans Fund.....	210.36	8.48	218.84	5.00	213.84
A. H. Jones Fund.....	210.36	8.48	218.84	5.00	213.84
Sarah A. Sutcliffe Fund	104.18	4.20	108.38	4.00	104.38
Farwell Fund	104.18	4.20	108.38	4.00	104.38
Lucy Brown Fund.....	103.02	4.16	107.18		107.18
Saville Metcalf Fund...	100.00	3.02	103.02	3.00	100.02
Van Deursen Fund.....	100.00	2.00	102.00		102.00
Bartlett Fund	100.00	2.00	102.00		102.00
W. G. Potts Fund.....	100.00		100.00		100.00
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	\$7,285.87	\$285.64	\$7,571.51	\$246.00	\$7,325.51

Recapitulation

Amount of Funds Jan. 1, 1917.....	\$14,717.27
Additional Funds received during 1917	900.00
Interest Income for 1917.....	593.54
	<hr/>
Total	\$16,210.91
Expenditures during 1917.....	533.00
	<hr/>
Balance Dec. 31, 1917.....	\$15,677.91

Accounting

Bonds, viz.:	
Commonwealth of Massachusetts..	\$ 1,000.00
Greenfield Electric Light & Power Co.	1,000.00
Spencer Gas Company.....	1,000.00
United States Liberty Fours (re- ceipts)	400.00
Savings Banks Deposits.....	12,277.91

\$15,677.91

SCHOOL HOUSE LOAN SINKING FUND

Amount of Fund Jan. 1, 1917.....	\$18,556.59
Town Appropriation	875.00
Interest Income for 1917.....	706.10
	<hr/>
	\$20,137.69

Accounting

United States Liberty Fours (receipts).....	\$1,200.00
School House Loan Bonds No. 23, 24, 25.....	3,000.00
Billerica Water Bonds No. 12, 15, 27, 44.....	4,000.00
Additional Water Loan No. 35, 36, 37, 38.....	2,000.00
Lowell Institution for Savings.....	133.97
Central Savings Bank.....	5,385.26

Amount carried forward..... \$15,719.23

Amount brought forward.....	\$15,719.23	
City Institution for Savings.....	1,582.36	
Mechanics Savings Bank.....	377.09	
Lowell Five Cent Savings Bank.....	2,459.01	
		<hr/> \$20,137.69

BOWERS FUND

Amount of Fund Jan. 1, 1917.....	\$17,296.12	
Interest Income for 1917.....	705.60	
		<hr/>
Total		\$18,001.72
Expended during 1917.....		419.80
		<hr/>
Balance Dec. 31, 1917.....		\$17,581.92

Accounting

United States Liberty Fours (receipts).....	\$ 1,500.00	
Town of Billerica Notes No. 36, 37, 38, 39, 40, 41	6,000.00	
Billerica Water Bond No. 14.....	1,000.00	
Town of Russell Bonds No. 6, 7, 8.....	1,500.00	
Messer Mortgage	1,000.00	
Colburn Mortgage	450.00	
Lowell Institution for Savings.....	30.52	
Mechanics Savings Bank.....	313.83	
Mechanics Savings Bank.....	425.86	
Central Savings Bank.....	2,443.35	
Central Savings Bank.....	2,349.69	
City Institution for Savings.....	165.50	
City Institution for Savings.....	49.94	
Lowell Five Cent Savings Bank.....	353.23	
		<hr/> \$17,581.92

ABBOTT SINGING FUND

Amount of Fund Jan. 1, 1917.....	\$1,658.50	
Interest Income for 1917.....	79.00	
		<hr/>
Total		\$1,737.50

Accounting

Morrissey Mortgage	\$1,400.00	
Lowell Five Cent Savings Bank.....	337.50	
		<hr/> \$1,737.50

COMMON SEAT FUND

Amount of Fund Jan. 1, 1917.....	\$55.94	
Interest Income for 1917.....	2.24	
		<hr/>
Amount of Fund Dec. 31, 1917.....		\$58.18
(Deposited in Central Savings Bank)		

WATERING TROUGH FUND

Amount of Fund Jan. 1, 1917.....	\$31.45	
Interest Income for 1917.....	1.26	
		<hr/>
Amount of Fund Dec. 31, 1917.....		\$32.71
(Deposited in Central Savings Bank)		

WINTHROP FAULKNER FUND

Amount of Fund Jan. 1, 1917.....	\$1,021.25	
Interest Income for 1917.....	41.25	
Total		\$1,062.50
Paid Bennett Public Library Association.....		62.50
Balance Deposited in Central Savings Bank..		\$1,000.00

WATER WORKS SINKING FUND

Amount of Fund Jan. 1, 1917.....	\$45,669.18	
Town Appropriation	1,800.00	
Interest Income for 1917.....	1,773.82	
Discount on Town Bond purchased.....	41.06	
		\$49,284.06

Accounting

United States Liberty Fours (receipts).....	\$ 2,600.00	
Boston & Albany Bonds.....	10,000.00	
New York, New Haven & Hartford Bonds.....	11,000	
Billerica Water Bonds No. 11, 45.....	2,000.00	
Additional Water Loan No. 41, 42, 43, 44, 45, 46	3,000.00	
Lowell Five Cent Savings Bank.....	5,019.54	
City Institution for Savings.....	3,890.54	
Lowell Institution for Savings.....	951.38	
Mechanics Savings Bank.....	421.18	
Central Savings Bank.....	7,118.34	
Mechanics Savings Bank.....	3,283.08	
		\$49,284.06

TOWN HALL SINKING FUND

Amount of Fund Jan. 1, 1917.....	\$26,572.24	
Town Appropriation	800.00	
Interest Income for 1917.....	1,040.06	
		\$28,412.30

Accounting

Billerica Water Bonds No. 13, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 81, 82.....	\$13,000.00	
Additional Water Bonds No. 39, 40.....	1,000.00	
City Institution for Savings.....	2,136.34	
City Institution for Savings.....	1,133.52	
Central Savings Bank.....	4,588.80	
Mechanics Savings Bank.....	1,155.18	
Mechanics Savings Bank.....	1,704.62	
Lowell Five Cent Savings Bank.....	3,693.84	
		\$28,412.30

STATEMENT OF TOWN DEBT, DECEMBER 31, 1917

Year	Water	Refunding	School Houses	Bridges	Other	Total
1918 ..	\$ 5,000	\$ 1,000	\$ 4,500	\$2,000	\$10,000*	\$ 22,500
1919 ..	5,000	1,000	4,500	2,000	30,000†	42,500
1920 ..	5,000	1,000	4,500	1,000		11,500
1921 ..	5,000	1,000	29,500	1,000		36,500
1922 ..	5,000	1,000	4,500			10,500
1923 ..	5,000	1,000	4,500			10,500

*Anticipation of Revenue

†Town Hall

Year	Water	Refunding	School Houses	Bridges	Other	Total
1924 ..	5,000	1,000	4,500			10,500
1925 ..	5,000	1,000	4,500			10,500
1926 ..	5,000	1,000	4,500			10,500
1927 ..	3,000	1,000	4,500			8,500
1928 ..	93,000		4,500			97,500
1929 ..	3,000		4,500			7,500
1930 ..	3,000		4,500			7,500
1931 ..	3,000		4,500			7,500
1932 ..	3,000		4,500			7,500
1933 ..	2,000		4,500			6,500
1934 ..	2,000		4,500			6,500
1935 ..	2,000		4,500			6,500
1936 ..	2,000					2,000
1937 ..	2,000					2,000
1938 ..	2,000					2,000
1939 ..	2,000					2,000
1940 ..	1,000					1,000
Total..	\$168,000	\$10,000	\$106,000	\$6,000	\$40,000	\$330,000

COMPARATIVE NET DEBT STATEMENT
DECEMBER 31, 1917

	1915	1916	1917
Due Appropriation Accounts Un- expended	\$ 62,950.36	\$ 37,246.66	\$ 21,548.77
Due Trust Funds.....	34,182.25	34,780.63	36,088.22
Bonds Payable:			
Water Works	159,000.00	156,000.00	168,000.00
Town Hall	30,000.00	30,000.00	30,000.00
School House	25,000.00	25,000.00	25,000.00
New High School.....	63,000.00	85,500.00	81,000.00
Notes Payable:			
Trustees Howe School.....	4,000.00	4,000.00	4,000.00
Bowers Fund	8,000.00	7,000.00	6,000.00
Bridges	10,000.00	8,000.00	6,000.00
Anticipation Water Extension	1,000.00		10,000.00
	<hr/> \$397,132.61	<hr/> \$387,527.29	<hr/> \$387,636.99
Cash on Hand, Taxes and Water Rates Due	\$ 78,008.83	\$ 49,687.15	\$ 69,411.19
Appropriation Accounts Over- drafts	3,585.85	14,765.14	2,819.07
Due from Commonwealth.....			2,435.41
Trust Fund Investments.....	34,182.25	34,570.59	36,088.22
Sinking Funds:			
Water Works	42,266.60	45,669.18	49,284.06
School House	17,046.99	18,556.59	20,137.69
Town Hall	24,821.08	26,572.24	28,412.30
	<hr/> \$199,911.60	<hr/> \$189,820.89	<hr/> \$208,587.94
Net Debt	\$ 197,221.01	\$197,706.40	\$179,049.05

TOWN OF BILLERICA
BALANCE SHEET, DECEMBER 31, 1917
GENERAL ACCOUNTS

Assets

Cash:		
In Bank and Office.....		\$5,950.97
Accounts Receivable:		
Frank R. Holden, Collector—		
Taxes 1915	\$ 3,684.53	
Taxes 1916	11,273.91	
Taxes 1917	47,932.34	
		<hr/>
		\$62,890.78
Moth Assessments 1915.....	\$ 23.77	
Moth Assessments 1916.....	39.30	
Moth Assessments 1917.....	267.08	
		<hr/>
		\$330.15
Due from Commonwealth—		
State Aid	\$2,291.66	
Industrial School	143.75	
		<hr/>
		\$2,435.41
Water Rates		\$239.29
Overdrafts—		
Police Department	\$ 302.82	
Health Department	81.58	
Highway Department	2,434.67	
		<hr/>
		\$2,819.07
		<hr/>
		\$74,665.67

TOWN OF BILLERICA
BALANCE SHEET, DECEMBER 31, 1917
GENERAL ACCOUNTS

Liabilities	
Revenue Loans	10,000.00
Cemeteries "Sale of Lots Fund"	70.00
Appropriation Balances:	
New Fire Station and Equipment.....	\$ 7,105.41
Fire Department Fire Alarm Contract...	450.00
Macadam Construction—Boston Road...	2,357.66
Macadam Construction—Concord Road...	281.71
Curbing Faulkner Street.....	650.00
Grading High School Grounds.....	1,000.00
Kohlrausch Playground	123.96
Fordway Park	73.35
Water—Additional Supply	33.67
Water—Extension of Mains.....	9,307.81
Fox Hill Addition.....	95.20
	\$21,478.77
Water Revenue	\$239.29
Reserve Fund (Surplus Overlay).....	\$1,226.79
Overlay (Reserved for Abatements):	
Levy of 1915.....	\$1,413.30
Levy of 1916.....	3,019.39
Levy of 1917.....	4,604.73
	\$9,037.42
Surplus Revenue:	
1917 and Prior Years.....	\$32,613.40
	\$74,665.67

TOWN OF BILLERICA
BALANCE SHEET, DECEMBER 31, 1917
DEBT ACCOUNTS

Assets

Net Funded or Fixed Debt.....		\$222,165.95
Sinking Funds—Cash and Securities:		
Water Works Loan.....	\$49,284.06	
Town Hall Loan.....	28,412.30	
School House Loan.....	20,137.69	
	<hr/>	\$97,834.05
		<hr/> \$320,000.00

TRUST ACCOUNTS

Assets

Trust Funds—Cash and Securities.....	\$36,088.22
	<hr/> \$36,088.22

TOWN OF BILLERICA
BALANCE SHEET, DECEMBER 31, 1917
DEBT ACCOUNTS

Liabilities

Funded Debt:

Water Works Loan.....	\$90,000.00	
Town Hall Loan.....	30,000.00	
School House Loan.....	25,000.00	
		\$145,000.00

Serial Loans:

New High School Loan.....	\$81,000.00	
Water Works Loan.....	78,000.00	
Bowers Fund Loan Refunding.....	6,000.00	
Trustees Howe School Loan Refunding...	4,000.00	
Fordway Bridge Loan.....	4,000.00	
Concrete Bridge Loan—Faulkner.....	2,000.00	
		\$175,000.00
		\$320,000.00

TRUST ACCOUNTS

Liabilities

Perpetual Care Funds:

Fox Hill Cemetery.....	\$5,948.61	
North Cemetery	7,325.51	
South Cemetery	2,403.79	
		\$15,677.91

Other Trusts:

Bowers Fund	\$17,581.92	
Abbott Fund	1,737.50	
Common Seat Fund.....	58.18	
Watering Trough Fund.....	32.71	
Winthrop Faulkner Fund.....	1,000.00	
		\$20,410.31
		\$36,088.22

EVERETT S. BULL,
Town Accountant.

ANNUAL REPORTS

OF THE

School Committee

AND THE

Superintendent of Schools

INCLUDING THE

REPORTS OF SUPERVISORS AND MEDICAL INSPECTOR,
CORPS OF TEACHERS, SCHOOL CALENDAR, Etc.

For the School Year Ending December 31, 1917

SCHOOL COMMITTEE

Organization

MAURICE A. BUCK, Chairman	Tel. Billerica 16
Term expires 1919	
HERBERT B. HOSMER, Secretary	Tel. Billerica 44
Term expires 1920	
J. FREDERICK GANNON	Tel. Billerica 93
Term expires 1918	

Superintendent of Schools

EUGENE C. VINING

Residence: Concord Road and Charnstaffe Lane	Tel. Billerica 100
Office: High School Building	Tel. Billerica 52-3
Office Hours: 8.00 to 9.30 A. M.; 1 to 2 every school day. May generally be seen at residence between 6 and 8 P. M. of school days.	

School Physician

DR. MAURICE A. BUCK

Attendance Officers

FRANK S. BARTLETT	WILLIAM S. TAYLOR
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Regular meetings of the School Committee are held on Thursday evening preceding the first Monday of each month, except August, at the High School Building at 8 o'clock.

SCHOOL CALENDAR, 1917

School opens January 2.
 Closes February 21—Winter recess.
 Opens March 4.
 Closes April 18—Spring recess.
 Opens April 29.
 Closes June 21—Summer vacation.
 Opens Sept. 9.
 Closes November 27—Thanksgiving recess.
 Opens Dec. 2.
 Closes Dec. 20—Christmas recess.

No-School Signals

At 7.30 A. M. to indicate no session of the Howe High School.
 At 7.50 A. M. to indicate no session of the Talbot and Pollard Schools.
 At 11.20 A. M. to indicate that the morning session will be extended to 12.40, and no further afternoon session.

CENSUS 1917

	Boys	Girls	Total
No. of children between 5 and 7 years of age	79	89	168
No. of children between 7 and 14 years of age	238	260	498
No. of children between 14 and 16 years of age	61	79	140
No. of children between 5 and 16 years of age	378	428	806

REPORT OF ATTENDANCE OFFICERS

House calls or investigations.....	34
Truants	19
Kept at home by parents because of sickness.....	21
Kept at home by parents, unsatisfactory excuses.....	13
Kept at home by parents, satisfactory excuses.....	21
Unsuitable clothing	9
Taken from streets and put in school.....	14
Working under age or without certificate.....	5
Parents or pupils warned.....	8
Cases taken to Court.....	1
Committed to Middlesex County Truant School.....	1

F. S. BARTLETT.

ENROLMENT BY GRADES DEC. 1, 1917

Howe High			
	Boys	Girls	Total
Twelfth	4	8	12
Eleventh	6	15	21
Tenth	11	20	31
Ninth	26	25	51
Eighth	22	35	57
Seventh	30	37	67
Total	99	140	239

Pollard			
Sixth	21	23	44
Fifth	23	21	44
Fourth	22	19	41
Third	17	15	32
Second	14	23	37
First	26	37	63
Total	119	134	268

Talbot			
Sixth	20	24	44
Fifth	17	18	35
Fourth	20	20	40
Third	25	26	51
Second	—	—	52
First	—	—	59
Total	—	—	281
Grand total	—	—	788

REPORT OF SCHOOL COMMITTEE

To the Citizens of Billerica:

We beg leave to make the following report for the year 1917:

The opening of the schools 1917 marked the beginning of the first full year of our new school system, namely, "The Six and Six Plan." We feel that the change in system is one more step towards the already high standard of efficiency in our schools, and the results obtained have been very gratifying to us as well as beneficial to the children.

The year was started with the same corps of teachers that we had at the close of the last term in 1916. At the close of the term in June we received resignations from the following teachers: Miss Stella M. Osgood, Miss Blanche Jones, Miss Mary J. Edmonds, Miss Vivian Burroughs, Miss Anna J. Masterson, Miss Hazel L. Wilcox.

During the summer vacation the Pollard School was thoroughly renovated. The outside of the building was newly painted. All of the woodwork, desks and chairs inside were revarnished, the ceilings and walls were retinted, a new sanitary was installed in the basement, the room formally used by the Committee as a meeting room was converted into a teachers' rest room, and all repairs made.

In the Talbot School a new floor was laid in No. 2 room and all minor repairs made.

In the Howe High School new electric clocks were installed, which have proven very satisfactory. All windows and doors were equipped with metal weather strips, which were considered economical in view of the high price of fuel. The front lawn was graded and seeded down so that next spring the grounds in front of the building will be greatly improved. On account of the demand for land suitable for cultivation, the land in the rear of the High School was used for that purpose by Messrs. Swatz and Lyons.

The Fall term opened with the following changes and additions in the teaching staff:—Howe High School: Miss Georgia T. Hamilton, Miss Florence H. Molony, Miss Mary A. Preble, Miss Gertrude Dunmore, Miss Clara L. Pratt; Pollard School: Miss Dorothea L. Osgood.

Owing to the uncertainty of the car service from East Billerica the transporting of the children from that part of the Town has been satisfactorily done by Mr. J. Edward Allen, who now transports children by motor from West Billerica also. The children from the Pinehurst district, as well as from the North village, are at the present time transported by the Bay State Street Railway Company. The ever-increasing demand for the transporting of children from all parts of the Town has been one of our most perplexing problems. It may be well to say that at the present time the Town is transporting about 50% of the children going to school. In the near future it will be necessary to further extend the transporting of children from the outlying districts to the schools.

While at a somewhat increase in price over previous years, the Committee was fortunate in procuring a sufficient amount of coal to last until the end of the school year.

The Committee wish to publicly thank the graduating class of 1917 for the beautiful picture donated by them to the new High School at the close of the term last June, as well as others whose donations have been many.

On account of the high cost of supplies, equipment and maintenance of our schools brought about by war conditions, the increase in transportation, on account of the increase in fares and the closing of the East Billerica car line, your Committee would recommend that the sum of \$41,000.00 be raised and appropriated for the schools of Billerica for the year ending Dec. 31st, 1918; that the sum of \$500.00 for medical inspection and the dog tax be credited to the school account.

In closing, we wish to thank the Superintendent, teachers, and janitors for their faithfulness to duty, also the parents and public in general for their hearty co-operation.

Respectfully submitted,

MAURICE A. BUCK,

HERBERT B. HOSMER,

J. FREDERICK GANNON,

School Committee.

REPORT OF THE SUPERINTENDENT OF SCHOOLS

To the School Committee of Billerica:

Gentlemen:—The following is my third annual report, and the twenty-eighth in the series of such reports made by the Superintendent of Schools to the School Committee of this Town.

The Schools and the War.

In these times the first duty of those charged with the administration of the educational system is to keep the schools in the forefront with standards undiminished. Education for efficient citizenship has always been an underlying purpose of the public schools. Our work in history, arithmetic, or science is mainly worth while only in so far as it furthers this end. No time in recent decades has put to so searching a test the patriotism and readiness to make great sacrifices to the ideals of liberty, justice and righteousness. The great opportunity for service by the schools in the present crisis has not been unheeded in Billerica.

Call to Service Has Been Heard.

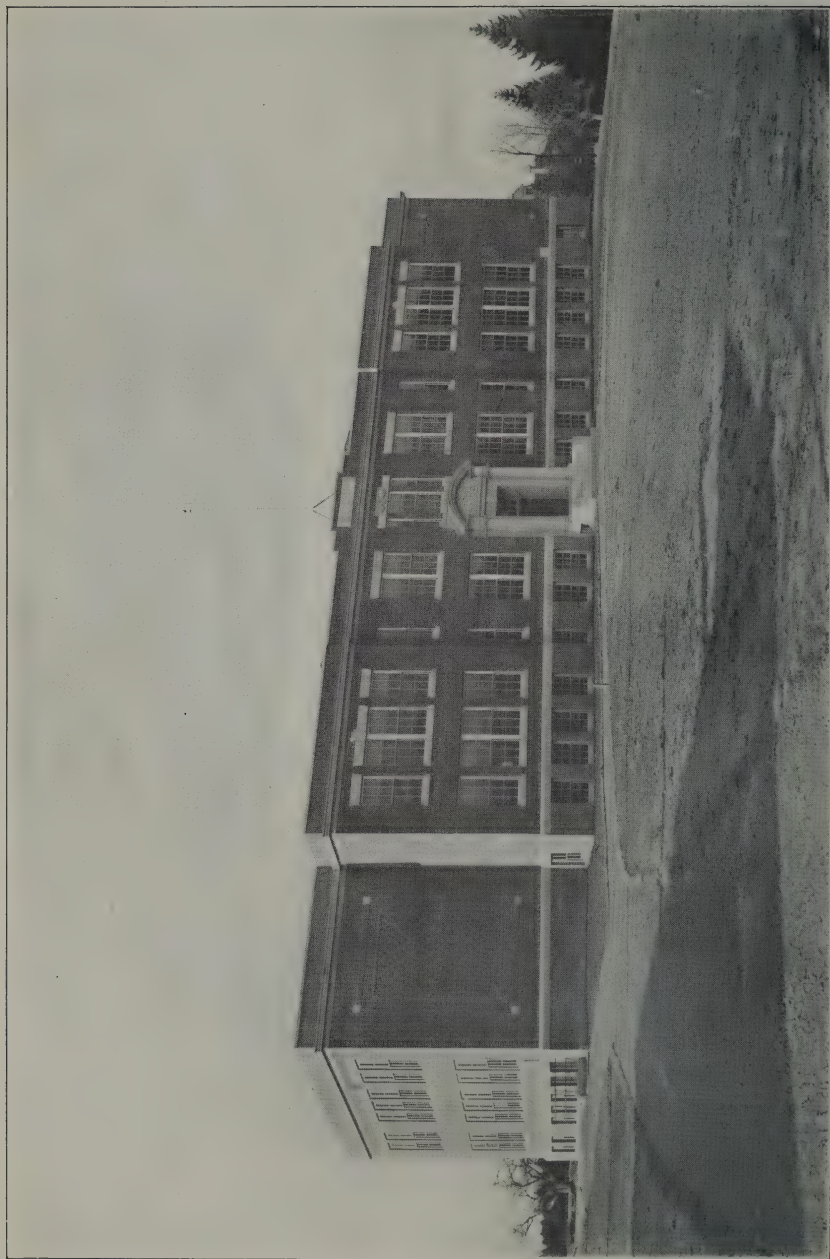
We have welcomed the many requests made by civic, state and national authorities for the co-operation of the schools. The messages by the Chief Executives of State and Nation have been read in our assemblies and class rooms; the problems of enlistment, draft, food conservation, Liberty loans, stamp savings and various other activities have been explained and discussed with the pupils to give intelligent understanding of moral issues and to kindle latent loyalty into working efficiency. Home and school gardens, canning demonstrations and food conservation, work for the Red Triangle Fund, sale of Liberty bonds and war savings stamps are some of the tangible forms in which these interests have expressed themselves. So numerous and onerous have become these demands upon the schools that an advisory committee of representative school men, appointed by the State Board of Education, now passes upon the activities in which schools should engage.

Preparation for Citizenship.

The function of the public schools in training for citizenship has received additional impetus throughout the Commonwealth by the passage of a law during the last session of the General Court making "training in the duties of citizenship" obligatory in every grade. A bulletin of the State Board of Education presenting the general principles, purposes and means and outlining a course of study adapted to the various grades, has been placed in the hands of each teacher after being taken up in teachers' meeting. At the declaration of war a U. S. flag was placed in every school room. The needs of the times offer an opportunity of developing in young people a sense of responsibility and thrift, and a stiffening of the moral fibre—qualities in the adolescent too often conspicuous only by their absence.

Employment of Minors.

The present scarcity of labor and high wages have drawn many pupils of legal employment age from the schools. This has affected the numbers in all grades above the seventh, especially the two upper High School classes, so that the enrollment for the High School remains the same as last year. Throughout the State, however, High



HOWE HIGH SCHOOL

School attendance is less than a year ago. In spite of the fact that boys from 16 to 18 years old command high wages, in some cases more than \$25 per week, it seems unwise, except in rare instances, for them to leave school before completing their course. Most of the war work in which they engage requires little skill, gives meagre training for advance, and at best is only temporary. Recent investigations by the Federal government show that time spent in school is the best financial investment a young person can make.

Pupils Should Remain in School.

The Massachusetts Committee on Industrial Education studied 799 workers who left school at either 14 or 18 years of age and traced the actual salaries received from year to year. They found that boys who remained four years longer in school earned so much more than those who left at 14 that by the time they were 22 the sum of their four years' salary was equal to that of the eight years' salary of those who left at 14. At the age of 25 the boys with four years more training were receiving an average of \$900 per year more than those who had quit school at 14.*

*Bulletin No. 22 Department of the Interior, 1917, p. 25.

The Commission also found that out of 9,057 employees studied only 2% of those who had left school ever got into high-grade industries.

Comparison of wages of children who left New York City schools at 14 years of age with those who left at 18 years of age.

	Left school at 14	Left school at 18
Weekly salary when—		
14 years of age.....	\$ 4.00	0
15 years of age.....	4.50	0
16 years of age.....	5.00	0
17 years of age.....	6.00	0
18 years of age.....	7.00	\$ 10.00
19 years of age.....	8.50	10.00
20 years of age.....	9.50	15.00
21 years of age.....	9.50	16.00
22 years of age.....	11.75	20.00
23 years of age.....	11.75	21.00
24 years of age.....	12.00	23.00
25 years of age.....	12.75	31.00
Total salary till 25 years of age.....	5,112.50	7,337.50

Salaries of graduates Commercial Department Springfield (Mass.) High School.

CLASS	Average salary first year	Average salary 1908	Average yearly increase in salary	Years since graduation
1900	\$308.50	\$1,100.00	\$105.53	7.5
1901	426.40	994.40	87.39	6.5
1902	321.20	969.80	117.93	5.5
1903	368.67	891.33	116.15	4.5
1904	379.14	813.00	123.91	3.5
1905	517.33	735.33	87.20	2.5
1906	381.33	617.33	153.33	1.5
1907	392.64	461.00	136.72	.....
Average annual increase..	.....	.....	116.52	.....

The authorities of the Lowell Textile School are quoted in the American School Board Journal as follows:

"Results of a recent canvass of the alumni lead to the belief that nearly 60% of the graduates from the day classes are receiving a salary of over \$1,000 a year; 20% are receiving \$2,000 a year and over, with some cases of \$4,000, \$5,000, and \$7,000 salaries."

The incomes received from their own work for the first five years after leaving college were reported as follows:

Graduates of	1st Year	2d Year	3d Year	4th Year	5th Year
Princeton 1901	\$706	\$ 902	\$1,199	\$1,651	\$2,039
Princeton 1906	860	1,165	1,332	1,427	2,226
Yale 1906	740	969	1,287	1,523	1,887
Harvard Law 1905..	—	1,188	—	—	2,616

If these were isolated cases they would prove nothing, but similar results in all parts of the country make the evidence conclusive. In addition to the financial betterment of the individual by remaining in school is the necessity at the close of the war for trained workers. These must be recruited largely from the pupils now in school.

The employment certificates issued during 1917 are as follows:

Vacation Certificates	14 to 16 years	16 to 18 years	18 to 21 years	Total
37	69	101	151	388

Problem of Transportation.

In the last two reports attention has been called to the problem of transportation, which now has become so acute that it must have immediate relief. At present transportation is given as follows:

To the Pollard School.

Number of Pupils by Grades	I	II	III	IV	V	VI	Total
From Shawsheen	21	13	14	15	12	14	89
From East Billerica.....	3	2	1	5	3	7	21
From West Billerica....	2	4	2	6	4	2	20
From Jones's Corner....	2	2	3	2	5	5	19
From South Billerica....	3	3	0	1	2	2	11
	—	—	—	—	—	—	—
	31	24	20	20	26	30	160

To the Howe High School.

	VII	VIII	IX	X	XI	XII	Total
From North Billerica....	36	32	21	16	10	5	120
From Shawsheen	11	4	15	9	4	0	33
From East Billerica.....	2	4	2	3	1	2	14
From West Billerica....	1	2	2	0	0	0	5
From South Billerica....	2	1	1	0	0	1	5
	52	43	31	28	15	8	177

To Talbot School.

Grade	I	II	III	IV	V	VI	Total
	15	6	11	5	7	6	50

Number Transportations to

	Howe	Pollard	Talbot	Total
From Shawsheen	33	89	—	122
From North and Jones's Corner	120	19	—	139
From East Billerica.....	14	21	—	35
From West Billerica.....	5	20	—	25
From South Billerica.....	5	11	—	16
From all directions.....	—	—	50	50
Total	177	160	50	387

Means and Cost of Conveyance.

Except from East and West Billerica pupils can be transported by trolley at a cost of 6 cents per day over the Bay State lines and 8 cents on the Middlesex and Boston, or \$11 and \$14 respectively per pupil per year. After two conferences between the Town officials and Bay State authorities the cars of the East Billerica-Wilmington line were taken off and the power withdrawn December 9. On December 18 a hearing was held in Boston before the Public Service Commission, and it seems very doubtful if service on this line will be restored. Transportation of pupils from East and West Billerica by auto bus costs per pupil 18 cents per day, or slightly more than 2½ cents a mile per pupil. Even if the East and West schools were opened transportation would still be required for older pupils. Transportation during 1918 for the nearly 400 pupils now conveyed will cost at the lowest figure \$5,500. There are other pupils, some only 5 to 7 years of age, who are walking long distances, and for whom attendance in severe weather is impossible. In the vicinity of Sheldon Street, Hillcrest and Mechanics Park are 33 pupils, in Central Park 14 pupils, and other groups, smaller and more scattered, are urgently seeking conveyance. Transportation should be granted, I believe, on a basis of age and physical condition as well as of distance. The cost has been indicated in the foregoing as definitely as possible that it may serve as a basis for calculation in dealing with the whole problem.

Salaries.

Shortly before New Year's a petition, signed by all elementary teachers except two, asking for an immediate increase and definite salary schedule, was received. In the increased cost of living the worker on small salary has suffered most. Wages have increased more rapidly than salaries. Unskilled labor receives a higher yearly

wage than the teacher on \$500 to \$600, paying \$6.50 to \$7 per week for board and the required State retirement tax of \$35 per year. Other expenses necessary for a teacher leave only a narrow margin, unless a teacher engages in employment during vacations, which should be used for re-creation. We have a corps of capable, progressive teachers, who, as they increase in power and serviceability to this community, should receive commensurate increase of compensation. This Town has always maintained a liberal policy in the compensation of its teachers.

After the matter had been very carefully considered and comparisons made with the salaries paid by other towns, the following schedule was adopted by the Committee:

Teachers' Salary Schedule.

Grades I.-VI. The salaries of teachers of the first six grades, other than principals, shall advance by an annual increase of \$50 per year until \$600 is reached; for the next two years an annual increase of \$25. The salary of \$650 shall continue for two years. A further increase of \$25 may be secured by

(a.) Two courses of study, previously approved by the Superintendent of Schools, at a summer school, completed with credit, or

(b.) The completion, with credit, of two courses, previously approved by the Superintendent of Schools, in extension courses and the preparation of a satisfactory thesis on some phase of the work covered.

An additional \$25 may be obtained on similar conditions, making the maximum salary for the first six grades \$700.

Grades VII. and VIII. The salaries of the teachers of Grades VII. and VIII. shall advance by an annual increase of \$50 per year, until \$650 is reached; for the next two years an annual increase of \$25. The salary of \$700 shall continue for two years. A further increase of \$25 may be obtained as indicated by (a.) and (b.) above. An additional \$25 may be obtained on similar conditions, making the maximum salary for teachers of Grades VII. and VIII. \$750.

High School. For women teachers in the High School there shall be an annual increase of \$50 up to \$800, after which there shall be an additional increase of \$25 upon the same conditions (a.) and (b.) above. There shall be a final increase of \$25 upon the same conditions as above, making the maximum \$850.

The maximum salary of the assistant teacher in the Commercial Department shall be \$550, reached by annual increases of \$50.

The teacher of Domestic Science shall be rated on the basis of teachers in Grades VII. and VIII.

The salary of Elementary School principals shall be determined in each case by the School Board, with the advice and consent of the Superintendent of Schools.

For High School teachers in positions of large responsibility or of special value to the school, the salary shall be determined upon the merits of each case.

Increases shall be effective at the beginning of the school year in September. The salary of each teacher entering the service shall be determined by the Committee and Superintendent.

Teachers intending to resign shall give the Superintendent in writing at least four weeks' notice of such intention.

No resignation shall take effect during the last eight weeks of the school year, except for incapacity to teach.

Professional Study.

In order to receive the maximum salary it is necessary for a teacher to take work which shall contribute directly to her efficiency. Study pursued after several years' experience not only keeps the teacher in touch with current thought and practice, but is intelligently assimilated and applied. The provisions of the above schedule are very satisfactory for grade teachers, but offer to High School teachers a maximum about equivalent to the minimum paid by many towns which are every year drawing upon us for trained teachers.

Changes in Teaching Staff.

As a consequence we lost during the summer four teachers from the High School faculty, who accepted positions offering increases of \$100 to \$400. Miss Mary J. Edmands, for three years teacher of Sciences and German, went to Bristol, Conn.; Miss Stella M. Osgood, after two years of very satisfactory service, returned to Littleton, N. H., where she had previously taught 13 years; Miss Blanche Jones went to Burdett's Business College, Boston, to teach Stenography, and Miss Vivian Burroughs became head of the Department of Domestic Science in the Maryland College for Women. These four teachers have been succeeded by Miss Mary A. Preble, a graduate of Boston University with successful experience in the Ipswich High School; Miss Georgia T. Hamilton, a Bates College graduate with seven years' experience. Miss Florence H. Malony, of Bay Path Institute, succeeded Miss Jones in the Commercial Department; Miss Gertrude N. Dunmore, a graduate of Simmons, took up the work in Domestic Science. In September Miss Clara L. Pratt, a graduate of the Gorham (Me.) Normal School, with three years' experience, succeeded Miss A. J. Masterson in the 7th Grade. Miss Hazel L. Wilcox resigned in March to be married, and was succeeded by Miss Dorothea L. Osgood. As the registration in this grade in September was 63 Miss Osgood was assisted until Christmas by Miss Dorothy A. Teague, a student at the Wheelock Kindergarten.

The Talbot School has been so fortunate as to retain the same corps of teachers for two years. The first and second grades in this school were so large that 15 pupils were taken from each grade to form another room under the experienced direction of Miss Sadie I. Burgess.

Age of Entrance.

Many pupils who enter at 5 are too immature to keep pace with the work of the average pupil of the first grade. It is a healthful indication that more parents are this year taking advantage of the excellent facilities offered by the Faulkner Kindergarten. Pupils with this training and added maturity make much more rapid progress. Other parents do not enter their children until 6½ or 7 years old. This wide range in age and maturity makes a difficult problem of grading. It would doubtless give more satisfactory results to everyone to raise the entrance age to 5½ or 6 years, as most towns have already done.

High School Diploma and Certificate.

With the elimination of the so-called Ninth Grade in 1914 and the changing from a nine to an eight grade system, preparatory to the High School, the 3 years' diploma, as was stated at that time, has been withdrawn. Formerly it required 13 years to secure the 4

years' diploma. On the present eight grade basis a pupil now secures a 4 years' diploma in 12 years, the same time as was necessary under the nine grade system to obtain the 3 years' diploma. A certificate of work accomplished will be given to pupils who are obliged to leave school after satisfactorily completing the seventh or a higher grade.

The unusually small class to graduate from the High School in June, 1918, is due to this change in grading and to the numbers who have withdrawn to enter some employment.

New Building.

The High School has now been housed one full year in the new building. After being subjected to the crowded and scattered housing of the previous two years, everyone appreciates the commodious quarters afforded by the beautiful new structure. The building has proven all that could be expected—every detail of construction has stood up splendidly, the working efficiency is all that could be desired, and while the cost of maintenance and operation seems high, in comparison with our older buildings, it is no greater than other modern High School buildings of similar size. The various problems are being gradually worked out with the purpose first of all of avoiding abrupt transitions or the necessity of undoing ill-considered changes.

A Longer School Day.

In order for the school to reach its maximum efficiency, a longer school day must give time for a more varied program in Grades VII., VIII. and IX., and for supervised study in the High School. This longer day is inseparably connected with a school lunch, which will be spoken of later. For pupils who are taking a commercial course or preparing for some higher institution, the last 3 years must consist almost wholly of prescribed subjects, and very little time remains for other than required work. Whatever is to be done in Cooking, Sewing, Household Arts, Manual Training and kindred subjects must be taken by most pupils in Grades VII., VIII. and IX.

Home Versus Supervised Study.

At present sufficient time for study cannot be found in school hours. Too few pupils are doing outside the study which they should. Conditions in the home are seldom promotive of intensive study. "A six-hour-day and supervised study" has become the slogan of High School men. This would materially lessen the amount of home study and secure helpful direction by the teachers. Entire elimination of home study for all pupils is impossible. Slow pupils must be willing to devote more time than their more rapidly working class-mates.

School Lunch.

After a careful inquiry during the summer into the cost of a school lunch, the prevailing high prices of food stuffs seemed prohibitive. Since November, however, independent of school funds, a light lunch has been served the High School pupils three days a week in the attempt to study the problem at first hand rather than with the idea that this is the solution of the problem. There are two serious objections to the limited number of girls in the cooking classes serving under the direction of the Teacher of Domestic Science a daily lunch for 240 pupils. To be obliged to provide food for the lunch counter (1) restricts the variety of work in the cooking classes, and (2) takes

too much time of the pupils from their other work. After a short time the lunch work loses its further educational value and becomes routine and drudgery. It also takes too much time and energy of the instructor from other school work.

The experiment so far would seem to give sufficient revenue under normal market conditions to warrant the employment of an outside party, under the direction of the teacher of Domestic Science, to do most of the work. In this way the nature and quality of the food would remain in the control of the school and the product of the cooking classes could still be utilized toward the cost of this department.

Unless food prices make it unwise I would advise for next year a school lunch and a school day from 8.30 in the morning until 2.40 in the afternoon. This will make possible the desired changes in the work of Grades VII., VIII. and IX., and allow considerable supervised study in the High School.

The School has been given for the first time Class A rating by the State Board of Education. To secure such rating the following conditions must be met:

"1. In schools with less than 200 pupils, the number of teachers, exclusive of the principal, shall be such that the ratio of pupils in the membership of the school to teachers does not exceed 25.

"2. Not over 50% of the classes in the school shall contain more than 25 pupils each, and not over 20% of the classes shall contain more than 30 pupils each. No class of more than 30 pupils shall be instructed by a teacher of less than two years' experience.

"3. To insure thoroughness of work and concentration of effort by both pupils and teachers nearly all the courses shall be allotted a class exercise every day. Provisions shall be made for one or more double periods in physics, chemistry, household arts and manual training, when offered.

"4. No teacher who instructs five classes shall have a sum of more than 125 pupils in these classes; no teacher who instructs six classes shall have a sum of more than 100 pupils in these classes; and no teacher shall instruct more than six classes."

The appended diagram, page 129, is submitted as a possible treatment of the grounds in the rear of the Howe High School for athletic purposes. It would seem advisable to do the necessary work at one time by contract rather than by piecemeal. If the present high tax rate, excessive cost of labor and other numerous financial demands make delay advisable, measures should be taken to keep the grounds free from weeds and in their present workable condition.

Acknowledgment is made for the following favors to the Howe High School:

To the Class of 1917—A beautiful photogravure of the Lauterbrunnen Valley.

For Addresses to the Students—Dean E. W. Lord, of Boston University; Rev. William L. Walsh; Miss Hannah P. Waterman, of North Adams Normal School; Mr. James Schwartz, of Harvard University; Captain Harvey, of Camp Devens; Mr. Titcomb and Miss Race, of Harvard University.

For Gifts of Books to the Library—Dr. Maurice A. Buck, Mr. John F. Casey, Mrs. H. B. Hosmer, Miss Harriet P. Rogers, Mrs. Elvira R. Gould, Miss Stella M. Osgood, Miss Marjorie P. Kendall, Master Porter W. Doggett, Master Forrest F. Collier.

For Plants—Mrs. F. F. Collier, Mrs. B. F. Harding.

Enrolment by Grades Dec. 1.

	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total
1914	71	71	70	61	63	61	50	54	47	20	15	6	607
1915	91	65	76	74	69	71	70	58	43	34	20	8	691
1916	104	75	72	78	80	68	67	60	53	33	22	7	719
1917	122	96	83	81	79	88	67	57	51	31	21	12	788

The "ninth grade," as such, was discontinued in June, 1914. The above tabulation shows, since that time, an increase of 30% in 3 years. The enrolment in 1912 was 564, an increase in 5 years of 40%.

If this rate of increase continues the relief afforded in the Talbot and Pollard Schools by the removal of Grades VII. and VIII. to the High School building can be only temporary. Already both schools with only six grades have a larger registration than they ever had with eight grades. With a registration of 281 the Talbot School, with 8 rooms, has seating accommodations for 330, capable of extension to 375. The Pollard School, with 268 pupils and six rooms, can be made to accommodate 320 pupils only by opening an attic room in the third story. It is not too early to study the growth of the increasing numbers in various sections of the Town with a view of determining how this increase can be most judiciously and economically provided for in the not-distant future.

Spelling.

Attention to the poor results secured in spelling has been forced upon the schools throughout the country by the colleges. Much attention has been given this matter during the past year. It was felt that the subject would be dignified, its importance enhanced in the eyes of the pupils, a better selected vocabulary and more uniform results secured by the use of a text-book. After a careful study by the elementary teachers of the best texts available, all grades above the second have been supplied with books. In May the Ayres's measuring test was given to every grade in Town, and in December a similar use was made of the Buckingham test. By various devices the teachers have aroused real enthusiasm, and in most cases very gratifying improvement is noticeable.

Penmanship.

The excellent work in penmanship which received particular attention last year is being maintained under the supervision of Miss Reynolds, whose report is appended. In April Mr. Nolan, N. E. Supervisor of the Palmer System, visited several of the rooms, examined written work from all the grades and then addressed the teachers on the subject of muscular movement penmanship. His talk was both critical and helpful, and encouraged teachers to attack the teaching of penmanship with fresh enthusiasm.

On October 18 Miss Hannah P. Waterman, of the North Adams Normal School, visited all the rooms of the Talbot and Pollard Schools and expressed herself as much pleased with the work. At the close of school she spoke most profitably to all the teachers on the opportunity for professional study offered by the University Extension work of the State Board of Education. Beginning January 15, 1918, a reading club of teachers will meet once in two weeks to read and discuss Strayer's "A Brief Course in the Teaching Process." Attendance is entirely voluntary, and the fact that teachers are willing to give their time shows a professional spirit that is decidedly pleasing. Teachers must be students, and those will teach with most enthusiasm who are seeking to learn.

May 23 was observed as Parents' Day. Forty-seven parents visited the various schools during the day. It would be most gratifying to the teachers to have parents and friends frequently in the school, and could but promote a helpful spirit of co-operation and mutual understanding.

A series of four canning demonstrations by the cold-pack method was given by the teacher of Domestic Science in May. There was an attendance of 120, and many testimonies to the practical value of the work have been received during the fall and winter.

During the past months a large amount of typewriting and copying has been done for individuals, committees and various organizations. This service is gladly extended by the High School to any of the Town's people for the cost of the paper used.

Your careful consideration of the reports of the various supervisors, of the school physician, and other material is asked.

In closing this report I wish to express to all with whom I have worked, to you, to the teachers and to the Town's people my sincere appreciation for the courtesies and support I have received.

Respectfully submitted,

EUGENE C. VINING.

Jan. 5, 1918.

REPORT OF SUPERVISOR OF MUSIC

Mr. E. C. Vining,
Superintendent of Schools,
Billerica, Mass.

Dear Sir:—My report for the Music Department of the Billerica Schools is as follows: I have been working along similar lines as last year, my first and foremost aim being to improve the tone. The result has been very gratifying in most of the rooms. The grade teachers have realized the importance of properly placing the tone, and have worked faithfully with this object in view.

Last year a beginning was made to establish a school orchestra in the Howe High School. Considerable enjoyment was derived from this, and I trust as time goes on we may be able to maintain an orchestra which will be a credit to the school and a benefit to the pupils. Co-operation of the parents would be of great assistance. Knowledge of some orchestral instrument and regular attendance at the weekly rehearsals are the only requirements.

The High School chorus did very creditable work at the graduation exercises, and this year we hope will show still greater gain.

Considerable time has been spent on patriotic songs. I feel it to be of great importance that the boys and girls of our schools shall know well the songs of their country. Through this training in the schools it is hoped a stronger spirit of patriotism will be spread throughout the country.

I sincerely thank the Superintendent and teachers for their able assistance.

Respectfully submitted,

MARY B. RAYNES,

Supervisor of Music.

REPORT OF THE SUPERVISOR OF DRAWING

Mr. E. C. Vining,
Superintendent of Schools,
Billerica.

I am much pleased with the result of the year's work in drawing. The teachers have carried out their part of the work for me most faithfully, and the enthusiasm shown by the pupils has been very gratifying.

The pupils are more interested, and therefore do better work, if the drawing lesson is appropriate to the season of the year. In the Spring the pupils draw the birds and flowers. Then in the Fall they represent with their crayons the colors found in the Fall flowers and leaves. The best results in color and pencil drawing of the fore-shortened and twisted shapes of leaves will be obtained at that time of year. Later come the winter scenes and illustrations of winter sports showing pictures of children skating, coasting, etc. This is the time for the best results in object drawing—drawings of houses, electric cars, sleds, horses, boys and girls and objects seen in the house and on the street.

I aim to teach the pupils the fundamental principles of drawing and how to handle the pencil, crayon, scissors and brush. Each lesson has a particular object of its own. It may be a lesson in design, the object being careful arrangement and spacing, or it may be a lesson in representing the shape and proportion of an object.

The pupils of the first grades are taught to express themselves through drawing in the most simple way. The High School pupil is expected to be able to make a complete drawing of an object in pencil for detail of parts, or in charcoal for light and shade.

Some time is given to design and decorative arrangements of flower sprays and landscapes to cultivate a taste for arrangement and color.

I wish to express my appreciation and thanks to all who are associated with me in my work, for the hearty support given me.

Respectfully submitted,

GERTRUDE J. NASON.

REPORT OF SUPERVISOR OF PENMANSHIP

Mr. E. C. Vining,
Superintendent of Schools,
Billerica, Mass.

I herewith submit my third annual report.

The progress in penmanship during the past year has been very gratifying to me, and while there is still much room for improvement we are steadily gaining.

The higher grades, especially in the eighth, show much improvement in ease of execution and perfection of form in all written work.

The large number in the first grade classes has made it impossible to secure the best results as a whole thus far, but we hope to bring the classes up to their usual efficiency.

Last June a large number of pupils were awarded the Palmer Diploma, and I feel confident that a much larger per cent. will receive their diploma this year.

MINNIE E. REYNOLDS,

Supervisor of Penmanship.

REPORT OF SUPERVISOR OF SEWING

Mr. Eugene C. Vining,
Superintendent of Schools.

Educators have come to realize that the surest approach to the child's mind is through the light of his experience. In prescribing the work in sewing, the experience of the child, her own environment, and outlook into her future, as well as her immediate needs, are being carefully considered.

The subject of sewing offers an opportunity for co-relating the activities of the home and the schools in a way which is sure to employ the natural interest of the student.

In the sixth grade, where the girls get their first systematic training in sewing, the constructive interest is greatest. Here the different stitches are learned and applied to small articles embodying the principles of plain sewing, such as towels, bags, aprons, and practical Christmas gifts. The problems of patching, darning, and other phases of mending are not ignored, as the matter of keeping clothing in the best condition is important.

In the seventh and eighth grades the girls are helped to discriminate between their wants and needs in matters of apparel,—they learn to comprehend the problems of costs and values in selecting materials. Undergarments are made. Dresses and shirt waists are being started by the pupils in the eighth grade. The garments selected are conservative in design, yet giving the students all that is fundamental in waist or shirt making, so that they may be able to alter, adapt, modify, or even disregard undesirable styles.

My aim in teaching sewing to these girls is that they may gain self-reliance in being able to make some of their own clothes, or, if they never care to do their own work, that they will have had sufficient training to intelligently direct the work which will be done for them.

Respectfully submitted,

NELLIE G. DUNMORE.

REPORT OF MANUAL TRAINING INSTRUCTOR

Mr. Eugene C. Vining,
Superintendent of Schools,
Billerica, Mass.

Herewith I submit my report of the Manual Training Department.

Our progress in this department during the past year has been satisfactory. My ideas for beginners I followed out as nearly as possible. That is to first give them an idea of what the work is, what it will lead to, and its value to them. Directions are given for the planing of a board to dimensions, the tools used, the part they play, followed by a demonstration of our talk and directions by myself.

This first exercise is dwelt on to considerable length, for the reason that if they can readily and accurately plane a board or piece of wood to dimension from rough stock the rest follows naturally and easily. On the contrary, if this cannot be done nothing else can be attempted, as this necessarily is the fundamental operation to all objects of construction.

Correlated with this is some work and explanation in the reading and making of rough sketches of work to be done. The idea being that if they can read a sketch and plane stock to dimension they can work individually and not be dependent upon the instructor, consequently accomplishing a great deal more and taking much greater interest in their work.

Considerable time is spent also in showing boys how to grind and sharpen the tools that they use.

This point having been reached, I believe in allowing each boy, his ability permitting, to make that which most appeals to him, and not the whole class to make some particular object whether it appeals or not. Rough sketches of such objects, with dimensions, are brought to class, and upon approval of instructor they start to make them.

This in general is the plan that is followed in their work.

Plans for pieces of work to be made for the school are sometimes brought to class by myself. After explaining what the object is to be and its use, the boys are set to work in "gangs," each with some particular part to do, the idea being that this is the actual conditions that a carpenter or a cabinet maker would work under. The boys readily grasp the idea, and as a result we have accomplished some excellent work.

Some of the objects made the past year are: Pencil holders, match scratchers, tea and coffee stands, plant stands, foot stools, coat and hat racks, coat hangers, bread boards, corner brackets, shelves, book racks, bookcases, towel rollers, medicine cabinets, floor cabinets, tabeaurettes, clothes line reels, tables, etc.

For the school we have made a cabinet for the Domestic Science Department. This cabinet was over 5 feet long and 4 feet high, with 25 drawers with brass pulls. It was made of mahogany, finished and rubbed down. A strip was put up in the Manual Training room with 20 coat hooks, the holes drilled in the walls and plugged with wood to nail to. Standards for jumping were also made, also some framework to shut off part of a room in the Pollard School. Several tables and tall pedestals for plants in the building were also made.

In the near future a room will be set apart for objects made in Manual Training for exhibition to those who may be interested.

I wish to thank all those who have offered suggestions, especially Mr. Vining, for his great interest in this department.

Respectfully submitted,

ELMO D. MACCURDY,

Inst. of Manual Training.

GRADUATION EXERCISES, HOWE HIGH SCHOOL**Town Hall, Thursday, June 8, 1917**

Program

OVERTURE—"Poet and Peasant"	Suppe
Orchestra	
"WHEN THE ROSES BLOOM AGAIN"	Adams
School Chorus	
PRAYER - - - - -	
Rev. Carleton L. Feener	
"WOMEN IN THE WAR" - - - - -	
Mary Elizabeth Larratt	
CLASS HISTORY - - - - -	
Dora Gertrude Tutein	
"OH, ITALIA BELOVED"	Donizetti
School Chorus	
PROPHECY AND PRESENTATIONS - - - - -	
Mariem Gertrude Biggerstaff	
CONFERRING OF DIPLOMAS - - - - -	
Mr. John F. Gannon	
SELECTION from "Blue Paradise"	Eysler & Romberg
Orchestra	
ADDRESS—"What Did You Get Out of It?"	
Rev. Frederick W. Hamilton, D. D., LL. D., Boston	
FINALE—"Medley of Popular Songs"	
Orchestra	

Class Roll

Eva May Barton, Mariem Gertrude Biggerstaff, Eva May Campbell, Amy Anna Kristina Elfstrom, Mary Rebecca Farmer, Dorothy Agnes Hayes, Isabella Veronica Healey, William Thomas Jennings, Mary Elizabeth Larratt, Pear Lela Letteney, Agnes Theresa Lyons, Adelaide Corinne O'Brien, Joseph James O'Brien, Madeline Anna Sullivan, Clara Thommen, Dora Gertrude Tutein, Mary Louise Williams.

CORPS OF TEACHERS JANUARY 1, 1918

Howe High School

Name	Elected	Where Educated	Subjects
Eugene C. Vining, Principal	1901	Bowdoin College A. B.; Tufts M. A.	Mathematics
Elmo D. MacCurdy	1916	Tufts College B. S.	Science and Manual Training
Georgia T. Hamilton	1917	Bates College A. B.	Latin, English
Mary A. Preble	1917	Boston University A. B.	English, German
Marion E. Freeman	1916	Colby College	French, English
L. Marie Hentz	1916	Simmons College	Stenography and Typewriting
Florence H. Malony	1917	Bay Path Institute	Commercial Subjects
N. Gertrude Dunmore	1917	Simmons College B. S.	Household Arts and History
Elizabeth H. Stone	1912	Bates College	Senior Intermediate
Charlotte Paulsen	1917	Boston University A. B.	Senior Intermediate
Minnie S. Dyson	1910	Lowell Normal	Junior Intermediate
Clara L. Pratt	1917	Gorham (Me.) Normal	Junior Intermediate

Pollard School

Thurza M. McElman	1912	Howe School	Grade VI.
Helen S. Faneuf	1917	Lowell Normal	Grade V.
Grace L. Knowles, Principal	1899	Howe School	Grade IV.
Katrina H. Bryant	1914	Farmington (Me.) Normal	Grade III.
Martha F. Page	1895	Salem Normal	Grade II.
Dorothea L. Osgood	1917	Wheelock Kindergarten	Grade I.

CORPS OF TEACHERS JANUARY 1, 1918—(Continued)

Talbot School

Name	Elected	Where Educated	Subjects
Beniah F. Harding, Principal	1898	Maine Central Institute	Grade VI.
Alice W. Higgins	1913	Lowell Normal	Grade V.
Kathleen M. O'Hearn	1915	Lowell Normal	Grade IV.
Rita M. Collins	1915	Lowell Normal	Grade III.
Kathryne G. Dewire	1912	Lowell Normal	Grade II.
Sadie I. Burgess	1916	Montclair (N. J.) Normal	Grade I. and II.
Eleanor E. Nickerson	1916	Lowell Normal	Grade I.

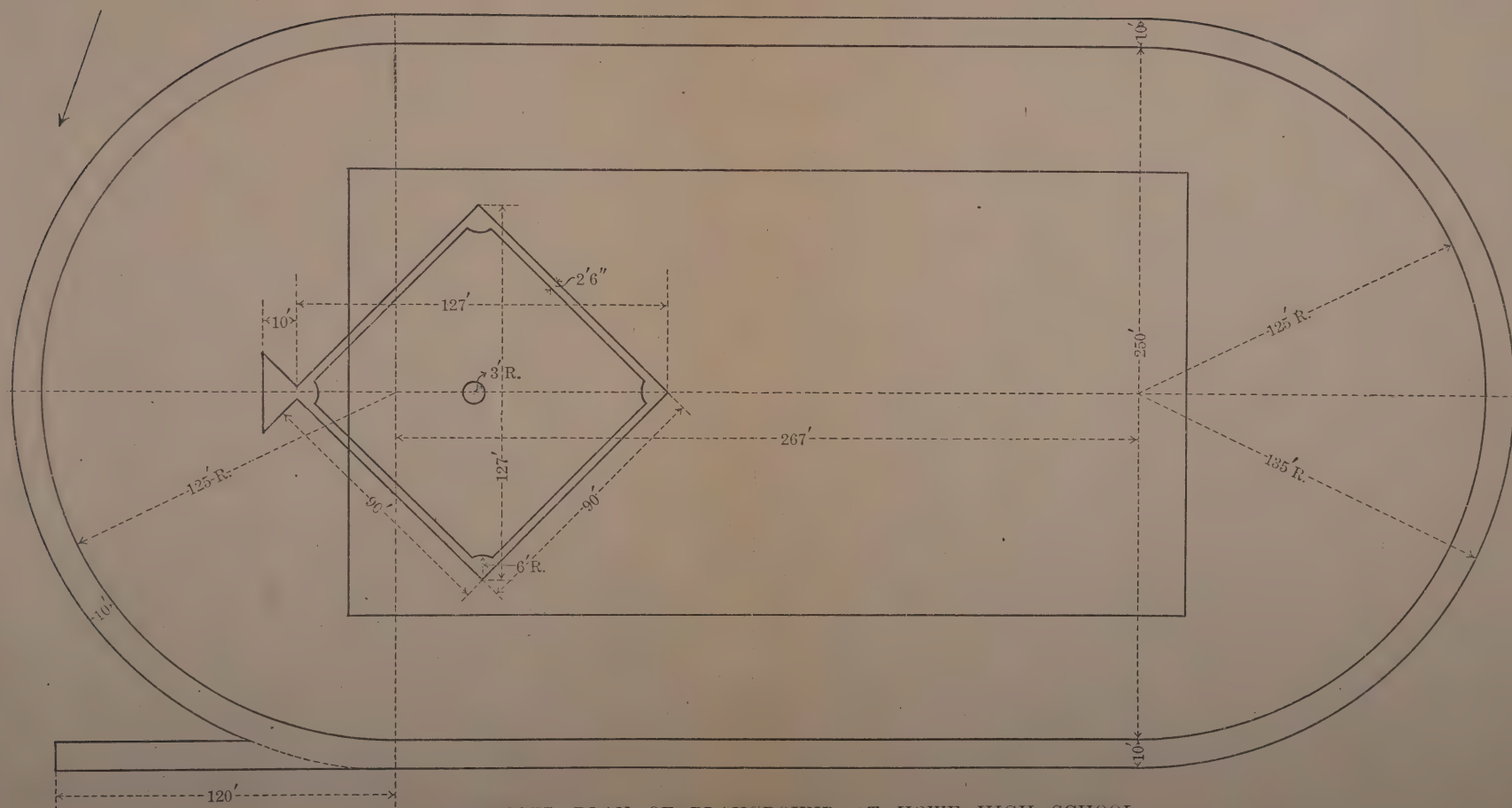
Supervisors

J. Gertrude Nason	1909	Boston Normal Art	Drawing
Mary B. Raynes	1912	N. E. Conservatory of Music	Music
Minnie E. Reynolds	1915	Cedar Rapids (Mich.) Business College	Penmanship

Age Grade		5	6	7	8	9	10	11	12	13	14	15	16	17	18	Total	
I	B	5	20	22	7	1	1	0								56	122
	G	2	35	18	6	2	2	1								66	
II	B		5	18	11	7	2	0								43	96
	G		6	22	16	8	0	1								53	
III	B			3	16	13	6	2	1	0	1					42	83
	G			3	18	13	4	2	0	1	0					41	
IV	B					15	12	11	4	0	0					42	81
	G				2	18	10	3	4	0	2					39	
V	B					2	13	13	8	3	2					41	79
	G					2	18	9	6	3	0					38	
VI	B					0	6	15	11	7	5					44	88
	G					1	3	16	15	7	2					44	
VII	B					0	0	4	10	8	6	2				30	67
	G					1	0	7	17	6	4	2				37	
VIII	B							0	3	8	9	2	0			22	57
	G							1	3	15	10	4	2			35	
IX	B									3	12	7	4			26	51
	G									8	12	3	2			25	
X	B									0	0	5	2	3	1	11	31
	G									1	4	9	6	0	0	20	
XI	B											1	2	1	2	6	21
	G											3	9	2	1	15	
XII	B											0	2	2	0	4	12
	G											1	0	0	1	8	
Total	B	5	25	43	34	38	40	45	37	29	35	17	10	6	3	367	
	G	2	41	43	42	45	37	40	45	41	35	21	19	8	2	421	
		7	66	86	76	83	77	85	82	70	70	38	29	14	5	788	788

AGE—GRADE DISTRIBUTION OF PUPILS, DEC. 1, 1917.

Numbers in serrated lines indicate pupils of normal age. Note falling off in attendance at 14 years, the earliest legal age of employment.



PROPOSED PLAN OF PLAYGROUND AT HOWE HIGH SCHOOL
Including Quarter-Mile Track, 120-Yard Straightaway, Football Gridiron, and Baseball Diamond

REPORT OF THE BOARD OF SELECTMEN

To the Citizens of Billerica:

The Board of Selectmen submits herewith its report for the year 1917, the Warrant for the Annual Meeting to be held February 9, 1918, together with Estimates of Appropriations necessary to defray expenses of the Town for the ensuing year.

The change to the Town Accountant system brought about the necessity of closing the Town books on December 31 instead of at some convenient time after November 1st as in the past, the result being that one or two months of 1916 bills, in addition to all 1917 bills, had to be paid out of the 1917 appropriations. The new system also involved the wiping out of all unexpended balances on annual appropriations. These changes had a decided effect on the temporary high tax rate this year. The Town Accountant system is a great improvement and of much assistance in keeping departments within their appropriations. Prompt approval of bills has been secured in most departments, and a strong effort has been made to get in all bills for the year. Overdrafts have been allowed only in cases of emergency or where the expenses were incurred through legal obligation.

During the past year the Street Railway situation has been the cause of many hearings before the Public Service Commission, at which the interests of the Town have been represented by counsel.

The several duties imposed upon this Board at the Annual and Special Meetings have been carried out as follows:

The Town securities have been placed in a safe deposit box under the care of the Town Clerk and Town Treasurer. The gravel lot on Concord Road was sold for \$100. Pine and Chadwick Streets have been accepted as Town ways.

Although the Town authorized and instructed this Board to sell certain Town Farm land to the Lowell Fertilizer Co., there later developed considerable opposition on the part of the Overseers of the Poor, and after a public hearing it was decided to ask the Town at the coming meeting to again express its opinion.

The care of the Common, together with its appropriation, has been turned over to the Park Commissioners, as it more properly comes within their domain.

STREET LIGHTING.

As authorized by the Town, a five-year contract, at \$18.00 per light per year, has been made with the Lowell Electric Light Corporation. Seventeen additional street lights, all that the appropriation would permit, have been installed during the year, as well as the fifty lights on Boston Road voted under special Article. An appropriation of \$4,500.00 for 1918 will permit the placing of a few more necessary lights.

POLICE DEPARTMENT.

The Board has appointed two additional officers under the Civil Service for special work. These officers, together with the two regular officers, have been put in uniform. Attempts to preserve order in certain districts and the guarding of the Water Works at the outbreak of hostilities are responsible for the overdraft, which the Board considers justifiable. The Board is not satisfied with the extent of the police protection, but no further extension of the service is possible under the customary appropriations.

FIRE DEPARTMENT.

Changes in the Fire Department have been made with the idea of decreasing the cost of maintenance and at the same time improving the service. The operation of the fire truck and the maintenance of the new fire station will, however, involve additional expense.

PUBLIC BUILDINGS.

For the benefit of the service in both departments janitors have been appointed for the Town Hall and Union Hall, thereby removing the care of buildings from the Police Department.

HIGHWAYS.

As was announced at the Special Town Meeting, road signs were purchased under the advice and approval of the several departments interested. The School Department paid for and set up those signs warning traffic of its proximity to Schools, and the Police Department those regulating the speed and direction of traffic. Those signs warning of dangerous curves and cross roads, bought with the advice and the approval of the Highway Surveyor, have been waiting since July to be posted, in spite of the earnest and repeated requests of this Board.

Believing that macadam roads could be most efficiently and economically constructed only under contract, as opposed to day work, and as it was possible to award such a contract to a citizen of this Town, the contract for the macadam construction on Boston Road was awarded to Harry W. Essex, with the necessary approval of the Massachusetts Highway Commission. The entire gap of about 1.1 miles has been completed, but as a small amount of trimming awaits warmer weather, the road has not been formally approved. A substantial unexpended balance is indicated.

Some of the macadam roads which are badly in need of repairs have been neglected in order that comparatively unimportant streets might be improved. It is strongly urged that the neglect of existing macadam be discontinued.

As directed by the Town, the Board secured an opinion from Dr. W. A. Sherman on the condition of the sick horse. The horse is still at work, and the following letter is self-explanatory:

Oct. 3, 1917.

Board of Selectmen:

Dear Sirs:—On July 6th I treated a bay gelding belonging to the Town of Billerica for colic.

I could find no cause for the colic, and could find no reason why he should be subject to attacks of colic.

I think by feeding plain oats and rather underfeed than overfeed, and giving plenty of salt, will prevent his having more attacks.

Yours truly,

(Signed) W. A. SHERMAN.

Conservativeness at this time in regard to appropriations is not only a patriotic duty, but will tend to relieve the heavy burden of the taxpayers occasioned by the war, and better enable them to absorb their share of the issues of Government Bonds.

Respectfully submitted,

PRESCOTT L. PASHO, Chairman.

THOMAS TALBOT CLARK, Secretary.

MARTIN CONWAY.

**ESTIMATIONS OF APPROPRIATIONS FOR 1918
BY THE BOARD OF SELECTMEN**

	Appropriations 1917	Recommendations 1918
Police Department	\$ 3,500.00	\$ 4,000.00
Incidentals	1,400.00	1,200.00
Maintenance of Halls.....	1,500.00	1,500.00
Common and Town Pump.....	100.00	150.00
Treasurer's and Collector's Bonds...	290.00	220.00
Insurance	1,300.00	
Interest	1,250.00	10,000.00
Sinking Fund and Bond Interest		
—Town Hall	2,000.00	2,000.00
Sinking Fund and Bond Interest		
—School House	1,750.00	1,750.00
Sinking Fund—Water Bonds.....	1,800.00	1,800.00
High School Bond Interest.....	3,420.00	3,150.00
Town Notes	10,500.00	12,500.00
Water Department Maintenance.....	19,999.00	11,500.00
Hydrants	4,125.00	4,125.00
Fire Department Salaries, Equipment and Extension of Service.....	7,500.00	6,000.00
Schools, including Dog Tax.....	35,000.00	40,415.00
Medical Inspection of Schools.....	500.00	500.00
Board of Health.....	600.00	700.00
Outside Relief	1,000.00	3,000.00
Town Farm	4,000.00	4,800.00
Moth	2,338.00	3,000.00
Elm Beetle	300.00	300.00
Tree Warden	200.00	200.00
Cemeteries	1,000.00	2,500.00
Park Commissioners for General Pur- poses	150.00	400.00
Highway Repairs	7,000.00	and Excise
Care of Snow and Sanding Sidewalks		1,000.00
Macadam Repairs		3,000.00
Repairs of Roads other than Macadam and Equipment (including Excise)		7,000.00
Bridges	800.00	300.00
Sidewalk Repairs	300.00	300.00
Street Lighting	4,150.00	4,500.00
Memorial Day	125.00	125.00
Assessors' Special	150.00	150.00

	Appropriations 1917	Recommendations 1918
Indexing Records	50.00	50.00
Printing	750.00	750.00
Reserve		2,000.00
Salaries:		
Selectmen	600.00	600.00
Assessors	900.00	900.00
Overseers of the Poor.....	400.00	400.00
School Committee	180.00	180.00
Town Clerk	300.00	300.00
Town Treasurer	500.00	500.00
Town Accountant	600.00	700.00
Tax Collector	600.00	600.00
Election Officers	407.00	225.00
Registrars of Voters.....	200.00	200.00
Fish Warden	10.00	10.00
Auditors	150.00	
Sealer of Weights and Measures.	100.00	100.00
Board of Health.....	150.00	150.00
Cattle Inspector	100.00	100.00
Forest Warden	100.00	100.00
Building Inspector	—	—

WARRANT

Annual Town Meeting

TOWN OF BILLERICA

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX :

To any Constable in the Town of Billerica :

GREETING :

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs, to meet at the Town Hall, Billerica, at 6 o'clock A. M., Saturday, February 9, 1918, to bring in their votes on one ballot for the following officers :

Moderator, Town Clerk, Town Treasurer, Three Selectmen, Three Overseers of the Poor, Three Auditors, a Collector of Taxes, a Highway Surveyor, a Tree Warden and Two Constables, all for one year. One Assessor, One Member of the Board of Health, One Member for the Town Hall Sinking Fund Commission, One Member of the Cemetery Commission, One Member of the Talbot School Sinking Fund Commission, One Member of the Water Commission, One Member of the Park Commission, and One Member of the School Committee, all for three years. One Member of the School Committee for the unexpired term of two years.

Also, to vote on the following question, viz.: "Shall license be granted for the sale of intoxicating liquors in the Town of Billerica?" Yes or No.

Polls may be closed at 4 o'clock P. M.

Also, at 10 o'clock A. M., to meet and act upon the following Articles :

ARTICLE 1. To choose two members of the Bowers Fund Committee, one member for a term of five years, and one member for an unexpired term of one year.

ARTICLE 2. To choose all necessary Town officers.

ARTICLE 3. To hear and act upon the report of Town Officers and Committees heretofore appointed.

ARTICLE 4. To see what method the Town will adopt to repair roads and bridges for the ensuing year.

ARTICLE 5. To raise and appropriate such sums of money as may be deemed necessary to defray the Town expenses for the ensuing year, or do anything in relation to the same.

ARTICLE 6. To authorize the Town Treasurer, with the approval of the Selectmen, to borrow during the municipal year beginning January 1st, 1918, in anticipation of the collection of taxes of said year, such sums of money as may be necessary for the current expenses of the Town, but not exceeding the total levy of said year, giving the notes of the Town therefor, payable within one year from the date thereof. All debts incurred under the authority of this vote shall be paid from the taxes of the present municipal year.

ARTICLE 7. To see if the Town will raise and appropriate the sum of four hundred and thirty dollars (\$430.00) to pay for damages caused by widening Boston Road, to be distributed in accordance with the award of the Middlesex County Commissioners as follows:

Mary A. Ellis, twenty dollars (\$20.00).

Arthur Switzer, twenty dollars (\$20.00).

James & Annie McCluskey, fifty dollars (\$50.00).

Patrick Delehanty, ten dollars (\$10.00).

Charles Wilder, Estate of, fifty dollars (\$50.00).

John Conley, one hundred dollars (\$100.00).

Fannie A. Adams, eighty dollars (\$80.00).

James R. Adams, one hundred dollars (\$100.00).

or do anything in relation thereto.

ARTICLE 8. To see if the Town will accept Maple Avenue as a Town way, or do anything in relation thereto.

ARTICLE 9. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300.00) to be expended under the direction of the Fire Engineers, to compensate Edward A. Barker, who has been permanently disabled in the fire service, or do anything in relation to the same.

ARTICLE 10. To see if the Town will authorize the Water Commissioners to complete the extension of the water main from the Ring Farm to Friendship Street, or do anything in relation to the same.

ARTICLE 11. To see if the Town will transfer the balance of the appropriation for the Standpipe Repairs to New Wells, or do anything in relation to the same.

ARTICLE 12. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500.00) to be added to the appropriation already available for building the new fire station, or do anything in relation thereto.

ARTICLE 13. To see if the Town will amend the By-Laws by striking out Section 9 of Article II., which reads as follows:

“There shall be chosen at the annual meeting three Auditors, who shall examine the books and accounts of all officers and committees of the Town intrusted with the receipt, custody or expenditure of money, and all original bills and vouchers on which money has been, or may be, paid from the treasury. They shall have free access to such books, accounts, bills and vouchers as often as once a month, and may make an examination thereof, and they shall examine the same at least once in each year, and shall annually report, in writing, to the Town as to the correctness of all such books, accounts, bills and vouchers,”

or do anything in relation to the same.

ARTICLE 14. To see if the Town will amend the By-Laws by adding thereto:

ARTICLE VIII.

Building Regulations.

“There shall be a Building Inspector appointed by the Selectmen, who shall have the right to enter all buildings or premises in the Town in the pursuance of his duty. He shall record all inspections and business, make the yearly report required to the Selectmen by law, and such other reports as they may call for. He shall frequently inspect all buildings in course of erection or alteration. He shall report violations of the law and the names of those responsible for such, to the Selectmen. Before the erection of a new building or the repairs or alteration of any building to cost in excess of \$100.00 is undertaken, there shall be filed with the Building Inspector sketches, plans, or descriptions covering all detail of construction for his approval or disapproval. In case of disapproval the matter may be further presented to the Board of Selectmen for action.

“All parts of all buildings shall be not less than seven and one-half feet from the side lines of the property upon which placed. There shall be no dwellings in which provision shall be made for more than one family living above another, or that shall be over two and one-half stories in height. All rooms and every water closet shall be provided with outside windows that shall be made to open one-half their entire area. The glazed surface of the windows of such rooms, measured between stop beads, shall be at least one-sixth of the area of the floor of such room. Cesspools shall be placed and plumbing installed as directed by the inspector and in accordance with the rules of the Board of Health. Any person violating these By-Laws shall be punished by a fine of not less than \$25.00 or more than \$100.00, to be paid into the treasury of the Town of Billerica. These requirements and penalties shall apply to such other rules and regulations for building as shall be made from time to time by the Board of Selectmen.”

ARTICLE 15. To see if the Town will raise and appropriate eighteen hundred and eighty three dollars and thirteen cents (\$1,883.13) for unpaid bills in the following accounts:

Town Farm—Eight hundred and sixty-nine dollars and twenty-nine cents.....	\$ 869.29
1916 Boston Road Macadam—Thirty-six dollars	36.00
Highway Repairs—Four hundred and thirty-four dollars and sixty-two cents.....	434.62
Schools—Five hundred and forty-three dollars and twenty-two cents.....	543.22
	<hr/>
	\$1,883.13

or do anything in relation to the same.

ARTICLE 16. To see if the Town will raise and appropriate twelve hundred and fifty-eight dollars and seventy-three cents (\$1,258.73) to pay overdrafts as follows:

Constable, Janitor and Police—Three hundred and two dollars and eighty-two cents	\$ 302.82
Board of Health—Eighty-one dollars and fifty-eight cents	81.58
Highway Repairs—Four hundred and forty-seven dollars and forty-six cents.....	447.46
Street Railway and Excise Tax—Four hundred and twenty-six dollars and eighty-seven cents	426.87
	<hr/>
	\$1,258.73

or do anything in relation to the same.

ARTICLE 17. To see if the Town will raise and appropriate four hundred and thirty dollars and eighty-eight cents (\$430.88) to pay bill of the Standard Oil Co., dated June 28, 1917, amounting to four hundred and fourteen dollars and thirty-one cents (\$414.31), together with interest at the rate of six per cent. (6%) from date thereof, or do anything in relation to the same.

ARTICLE 18. To see if the Town will raise and appropriate the sum of twenty-five hundred dollars (\$2,500.00) to macadamize Lowell Street from Perry's Corner to Sprague's Bridge, provided the County and State shall each furnish a similar amount, or do anything in relation thereto.

ARTICLE 19. To see if the Town will reconsider or rescind the vote passed under Article 23 at the Annual Meeting, February 10, 1917, whereby the Selectmen were authorizd and instructed to sell and convey Town Farin land, or do anything in relation thereto.

ARTICLE 20. To hear the report of the Committee appointed under Article 16 of the Annual Meeting, February 10, 1917, to consider the matter of a Board of Public Works and a Town Manager, and to see if the Town will take any action with reference to the same.

And you are to serve this Warrant by posting true and attested copies thereof, one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post Offices of the Town, and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this, the tenth day of January, in the year of our Lord, 1918.

PRESCOTT L. PASHO,

MARTIN CONWAY,

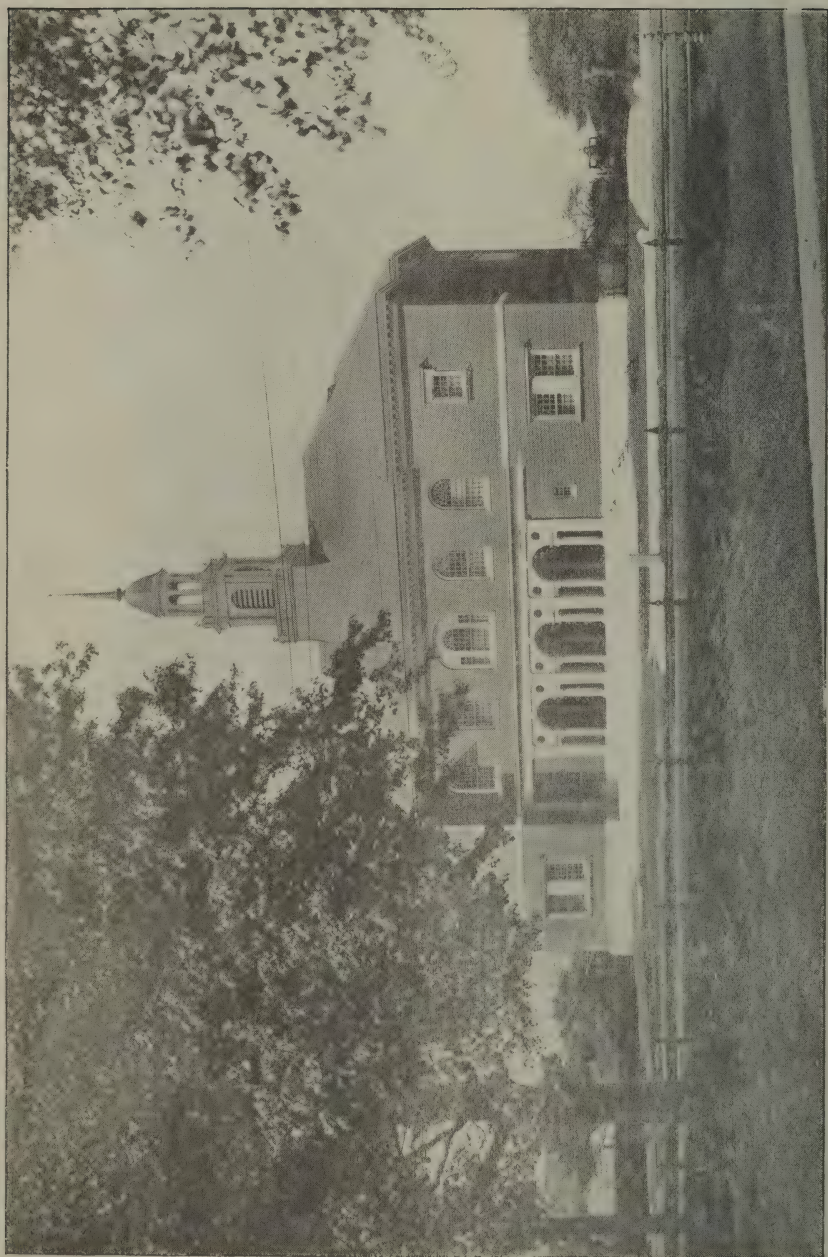
THOMAS TALBOT CLARK,

Selectmen of the Town of Billerica.

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TOWN HALL

ANNUAL REPORT
OF THE
TOWN OF BILLERICA



RECEIPTS AND EXPENDITURES
and Reports of the Various Departments for
the Year Ending December 31

1918

BUTTERFIELD PRINTING COMPANY

LOWELL, MASS.

1919

TOWN OFFICERS

Selectmen

THOMAS F. SHERIDAN, Chairman
THOMAS TALBOT CLARK, Secretary
FORREST F. COLLIER

Town Clerk

ALBERT S. BULL

Town Treasurer

ARTHUR S. COOK

Town Accountant

EVERETT S. BULL

Moderator

CHARLES H. EAMES

Assessors

WILLIAM H. SEXTON, Chairman EDWARD A. KING
CHARLES H. KEMP

Overseers of the Poor

RICHARD J. CONWAY, Chairman COBURN S. SMITH
WARREN HOLDEN

Board of Health

DR. NEIL K. FORHAN, Chairman
DR. E. J. ALLEY, Secretary
THOMAS A. ELLIS

School Committee

DR. MAURICE A. BUCK, Chairman
JOHN FREDERICK GANNON PETER B. KIRSCHNER

Collector of Taxes
THOMAS F. McELLIGOTT

Highway Surveyor
EDGAR F. TWOMBLY

Tree Warden
FRANCIS J. DOLAN

Cemetery Commissioners
J. NELSON PARKER, Chairman JOHN A. RICHARDSON
HERBERT A. KING

Water Commissioners
WARREN HOLDEN, Chairman FRANK L. DAY, Clerk
JOHN F. ROOME

School House Sinking Fund Commission
JOHN A. RICHARDSON THOMAS TALBOT CLARK
NATHANIEL R. JONES

Town Hall Sinking Fund Commissioners
CHARLES H. EAMES ALBERT H. RICHARDSON
DANA H. SPILLER

Constables, Keepers of the Lock-Up and Field Drivers
HENRY D. LIVINGSTON WILLIAM H. O'BRIEN

Surveyors of Wood and Lumber
JOHN E. ROWELL THOMAS E. SMITH
WILLIAM F. SYMMES VOLUNTINE ROLLINS
HENRY D. LIVINGSTON BERNARD W. KEARNEY
CHARLES A. FOSTER CHARLES H. MOREY
LESLIE W. HAMMOND GEORGE MOORE
CHAS. F. MANNING FREDERICK WAIN

Fence Viewers
THOMAS F. SHERIDAN THOMAS TALBOT CLARK
FORREST F. COLLIER

Engineers of the Fire Department
ERNEST N. BARTLETT, Chief
WILLIAM B. CHAMBERS, Asst. Chief

Board of Registrars

JOHN H. MAHONEY, Chairman
JAMES J. CAMPBELL ALBERT H. RICHARDSON
ALBERT S. BULL (ex-officio)

Cattle Inspector
ALBERT H. JONES

Public Weighers
WALLACE W. BROWN DENNIS J. DEWIRE
FRANK E. DANE EDWARD B. CARR
JOHN H. OWENS THOMAS McCLELLEND

Forest Warden
ERNEST N. BARTLETT

Sealer of Weights and Measures
JOHN F. REARDON

Fish Warden
JOHN M. KENNELLY

Park Commissioners
WARREN H. MANNING, Chairman
J. NELSON PARKER FREDERIC S. CLARK

Superintendent of Town Farm
H. A. BOWERMAN

REPORT OF TOWN CLERK

WARRANT

Annual Town Meeting, February 9, 1918

COMMONWEALTH OF MASSACHUSETTS.

Middlesex, ss.

To any Constable in the Town of Billerica:

GREETING:

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Moderator, Town Clerk, Town Treasurer, Three Selectmen, Three Overseers of the Poor, Three Auditors, a Collector of Taxes, a Highway Surveyor, a Tree Warden and Two Constables, all for one year. One Assessor, One Member of the Board of Health, One Member of the Town Hall Sinking Fund Commission, One Member of the Cemetery Commission, One Member of the Talbot School Sinking Fund Commission, One Member of the Water Commission, One Member of the Park Commission, and One Member of the School Committee, all for three years. One Member of the School Committee for the unexpired term of two years.

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ARTICLE 3. To hear and act upon the report of Town officers and Committees heretofore appointed.

ARTICLE 4. To see what method the Town will adopt to repair roads and bridges for the ensuing year.

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Mary A. Ellis, Twenty Dollars (\$20).

Arthur Switzer, Twenty Dollars (\$20).

James and Annie McCluskey, Fifty Dollars (\$50).

Patrick Delehanty, Ten Dollars (\$10).

Charles Wilder, Estate of, Fifty Dollars (\$50).

John Conley, One Hundred Dollars (\$100).

Fannie A. Adams, Eighty Dollars (\$80).

James R. Adams, One Hundred Dollars (\$100).

or do anything in relation thereto.

ARTICLE 8. To see if the Town will accept Maple Avenue as a Town Way or do anything in relation thereto.

ARTICLE 9. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300) to be expended under the direction of the Fire Engineers to compensate Edward A. Barker, who has been permanently disabled in the fire service, or do anything in relation to the same.

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the Ring Farm to Friendship Street or do anything in relation to the same.

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ARTICLE VIII.

BUILDING REGULATIONS

"There shall be a building inspector appointed by the Selectmen, who shall have the right to enter all buildings or premises in the Town in the pursuance of his duty. He shall record all inspections and business, make the yearly report required to the Selectmen by law, and such other reports as they may call for. He shall frequently inspect all buildings in course of erection or alteration. He shall report violations of the law and the names of those responsible for such, to the Selectmen. Before the erection of a new building or the repairs or alteration of any building to cost in excess of \$100.00 is undertaken there shall be filed with the building inspector sketches, plans, or descriptions covering all detail of construction for his approval or disapproval. In case of disapproval the matter may be further presented to the Board of Selectmen for action.

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1916 Boston Road Macadam—Thirty-six dollars	36.00
Highway Repairs—Four hundred and thirty-four dollars and sixty-two cents	434.62
Schools—Five hundred and forty-three dollars and twenty-two cents	543.22
or do anything in relation to the same.	<u>\$1883.13</u>

ARTICLE 16. To see if the Town will raise and appropriate twelve hundred and fifty-eight dollars and seventy-three cents (\$1258.73) to pay overdrafts as follows:

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Board of Health—Eighty-one dollars and fifty-eight cents	81.58
Highway Repairs—Four hundred and forty-seven dollars and forty-six cents	447.46
Street Railway and Excise Tax—Four hundred and twenty-six dollars and eighty-seven cents	426.87
or do anything in relation to the same.	<u>\$1258.73</u>

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ARTICLE 19. To see if the Town will reconsider or rescind the vote passed under Art. 23 at the Annual Meeting, February 10, 1917, whereby the Selectmen were authorized and instructed to sell and convey Town Farm Land, or do anything in relation thereto.

ARTICLE 20. To hear the report of the Committee appointed under Art. 16 of the Annual Meeting, February 10, 1917, to consider the matter of a Board of Public Works and a Town Manager, and to see if the Town will take any action with reference to the same.

And you are to serve this Warrant by posting true and attested copies thereof; one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post Offices of the Town, and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this, the tenth day of January, in the year of our Lord, 1918.

PRESCOTT L. PASHO

MARTIN CONWAY

THOMAS TALBOT CLARK

Selectmen of the Town of Billerica.

I have served the above warrant as therein directed.

Attest:

HENRY D. LIVINGSTON,

Constable.

REPORT OF THE FINANCE COMMITTEE

Article 5. Under this article the following recommendations are made:

Police Dept.	\$ 4,000.00
Incidentals	1,200.00
Maintenance of Halls	1,500.00
Common and Town Pump	150.00
Treasurer's and Collector's Bonds	220.00
Interest	10,000.00
Sinking Fund and Bond Interest, Town Hall	2,000.00
Sinking Fund and Bond Interest, School House	1,750.00
Sinking Fund, Water Bonds	1,800.00
High School, Bond Interest	3,150.00
Town Notes	12,500.00
Water Dept. Maintenance	11,500.00
Hydrants	4,125.00
Fire Dept., salaries, equipment and extension of service	6,000.00
Schools, including Dog Tax	40,415.00
Medical Inspection of Schools	500.00
Board of Health expenses	700.00
Town Farm	4,800.00
Outside Relief	3,000.00
Moth	3,000.00
Elm Beetle	300.00
Tree Warden	200.00
Cemeteries	2,500.00
Park Commissioners for General Purposes	400.00
Care of Snow and Sanding Sidewalks	1,000.00
Macadam Repairs	3,000.00
Repair of Roads other than macadam and equipment (including excise)	7,400.00
Bridges	300.00
Sidewalk Repairs	300.00
Street Lighting	4,500.00
Memorial Day	125.00
Assessors' Special	150.00
Indexing Records	50.00
Printing	750.00
Reserve	2,000.00
Salaries:	
Selectmen	600.00
Assessors	900.00
Overseers of the Poor	400.00
School Committee	180.00
Town Clerk	300.00
Town Treasurer	500.00
Town Accountant	700.00
Tax Collector	600.00
Election Officers	225.00
Registrars of Voters	200.00
Fish Warden	10.00

Sealer of Weights and Measures	25.00
Board of Health	150.00
Cattle Inspector	100.00
Forest Warden	100.00

Article 7. Recommended.

Article 8. Recommended that this Article be dismissed as the street is not in proper shape for acceptance.

Article 9. Recommended.

Article 10. Recommended that the Water Commissioners be authorized to complete extension of main to Friendship Street.

Articles 11, 12, 13. Recommended.

Article 14. No recommendation.

Article 15. Recommended that the Town raise and appropriate the sum of thirteen hundred thirty-nine dollars and ninety-one cents (\$1339.91) to pay the first three items in this Article, and that five hundred and forty-three dollars and twenty-two cents (\$543.22) be transferred from the amount raised under Article 41 of the Annual Meeting, February 10, 1917, for grading in the rear of the High School, to pay the fourth item.

Articles 16, 17, 18. Recommended.

Article 19. Recommended that the vote be rescinded, and that the Selectmen be authorized to make an agreement with the Lowell Fertilizer Company to the effect that they will be given an opportunity to buy the land at the market price before the Town will sell it to any other party.

Article 20. Recommended that a committee be appointed to draw up a charter and secure the necessary legislation for Town Manager form of Government.

ALBERT S. BULL, Clerk.

Under the Warrant the following vote was cast:

Selectmen	Votes
Thomas Talbot Clark	277
Forrest F. Collier	200
Edward R. Costello	188
Prescott L. Pasho	145
Thomas F. Sheridan	254
Andrew P. Sousa	161
Charles A. Wright	143
Blanks	189

Assessor	
William H. Sexton	367
William B. Wheeler	1
F. W. Crosby	1
C. H. Williams	1
Blanks	149

Overseers of the Poor	
Richard J. Conway	389
Warren Holden	359
Coburn S. Smith	387

William Sexton	1
Owen Flynn	1
Blanks	420

Moderator

Charles H. Eames	336
Charles M. Ross	1
William S. Taylor	1
Blanks	181

Town Clerk

Albert S. Bull	404
Charles Henry Brown	7
Alden B. Richardson	1
Chester Pasho	1
Blanks	106

Town Treasurer

Arthur S. Cook	403
Chester Pasho	1
Blanks	115

Tax Collector

Henry H. Bowman	146
Frederic G. Brown	93
Thomas F. McElligott	169
James A. Ruth	43
Constantine D. Tutein	54
Blanks	14

Surveyor of Highways

Truman G. Messer	152
Edgar F. Twombly	346
Blanks	21

Constable

Henry D. Livingston	394
William H. O'Brien	391
Dana Spiller	1
Jas. White	1
William P. Fall	1
John McSweeney	1
Edward O'Connor	1
Blanks	248

School Committee (3 years)

John Frederick Gannon	372
Peter B. Kirschner	1
Charles Hurst	1
Blanks	158

School Committee (2 years)

Charles H. Eames	213
Peter B. Kirschner	263
Blanks	56

Auditors

Ralph L. Dodge	309
George P. Greenwood	315
Frederick Wain	316
Blanks	617

Town Hall Sinking Fund Commission

Dana H. Spiller	311
John Kennelly	1
Arthur Gannon	1
W. J. Morris	1
Blanks	205

Water Commissioner

Isaac Hopkinson	196
John Franklin Roome	281
Blanks	42

School House Loan Sinking Fund Commissioner

Nathaniel R. Jones	323
Charles Myron	1
Blanks	195

Cemetery Commissioner

J. Nelson Parker	341
Geo. Ennion	1
Frank Higgins	1
Blanks	176

Tree Warden

Francis J. Dolan	381
Henry Brown	1
William P. Fall	1
George Conley	1
Bill Hickey	1
Blanks	134

Board of Health

Ernest J. Alley	329
Maurice A. Buck	1
Billy Mason	1
Owen Flynn	1
Blanks	187

Park Commissioner

Warren H. Manning	359
Blanks	160
Shall license be granted for the sale of intoxicating liquors in this Town?	
No	343
Yes	121
Blanks	55

Report of Precinct Clerk

Billerica, Mass., February 9, 1918.

Polls opened at 6 a. m. with all precinct officers present. Opened ballot box at 8.45 and started counting ballots. Total number of ballots cast 519 and 13 additional votes of women for school committee. Completed counting at 5.40 p. m.

ALDEN B. RICHARDSON, Clerk.

Precinct Officers:

Dennis J. Mahoney, Warden.
 Michael H. McElligott, Deputy Warden.
 Alden B. Richardson, Clerk.
 Everett S. Bull, Deputy Clerk
 Philip B. Dolan, Inspector.
 John J. Ritchie, Deputy Inspector.
 Charles H. Bailey, Inspector
 John J. McSweeney, Deputy Inspector.

The following action was taken:

Article 1. Mary L. Hutchins elected to serve on Bowers Fund Committee for a term of five years.

Patrick Kennelly chosen a member of Bowers Fund Committee for a term of one year.

Article 2. Chose the Constables as Field Drivers. Chose the Selectmen as Fence Viewers. Chose as Measurers of Wood and Lumber:—John E. Rowell, W. F. Symmes, B. W. Kearney, Charles A. Foster, Henry D. Livingston, Charles E. Morley, Voluntine Rollins, Thomas E. Smith, George E. Moore, Leslie W. Hammond, Voluntine M. Rollins, E. F. Colgate, and W. F. Hayward.

Article 2. Chose the Constables as Field Drivers. Chose the Selectmen be instructed to print in the annual report a list of those who have entered the service from this Town, also the branch of service, regiment, company or ship in which they serve, and such lists continue to be printed during the continuance of the war.

The Committee chosen at the last Annual Town Meeting to investigate and report upon a plan to enlarge the Town Hall, has given the subject careful consideration.

First of all, the Committee sought such suggestions as might be made by various Town officers, thinking the weaknesses of the present building would be most apparent to those who use it. While the present building is comparatively new, the development of the Town during the past ten years has been very considerable, and the municipal needs large increased.

Thereafter, the Committee consulted with Mr. L. H. Bacon, of the former architectural firm Warren & Bacon, which firm built the Hall, and made a careful study together, with a purpose to provide sufficient additional accommodations, and still maintain the outward appearance of the building as much as possible.

As a result of this we have prepared plans, or sketches, which include a material addition to the rear of the Hall on the southwest end, and alteration of the present Selectmen's Room and Kitchen. This plan provides for using the present Selectmen's Room as an additional office with a new vault nearly as large as that now in the Treasurer's office, a new Selectmen's Room with a small Waiting Room between that and the new office, and also a new and much larger kitchen.

The growth of the Town makes the inefficiency of the toilet and sanitary accommodations more real. By an addition on the northwest corner, similar to the one on the southwest corner already mentioned, this very much needed improvement can be worked out.

It is agreed that the changes indicated would be what the Town would like, and what, under certain circumstances should rightfully be considered, and these changes could all be brought about with no appreciable injury to the appearance of the building.

While no funds are applicable, your Committee has received invaluable service through the great courtesy of Mr. Bacon, by reason of his desire that if anything is to be done, he would naturally hope that he might help work out a harmonious whole. To prepare complete plans for contractor's use would involve considerable expense, which your Committee would not feel warranted in incurring at this time. It is reasonably safe to say that unless the Town is willing to undertake an outlay of \$15,000.00, it would be unwise to consider present drawings, which, with this report, will be filed with the Town Clerk. Whenever the Town takes definite action, this Committee begs that Mr. L. H. Bacon shall be considered, and that his original efforts and recent courtesy be recognized.

Since the choice of the Committee, the country has become involved in the world war, the magnitude of which compels caution beyond all previous experience. The commitments for the expenditure of money are already much larger than for our entire Civil War. National, State and Municipal taxation promises more than we can see our way to pay. It is the imperative duty of all citizens to stand against every unnecessary expense. Already more than one hundred of the finest representatives of our citizenship in Billerica are wearing the uniform of the United States Army. They, and those who are to follow, demand our first and every thought. Let us commit ourselves to no new obligations, until our country can turn from bloodshed and wholesale destruction to the up-building and salvation which follows in the pathos of peace.

This Committee is unwilling to recommend any considerable expenditure at this time, and in the absence of a known demand for any temporary changes, would hope that the Town would decide to keep the matter in abeyance for the present.

J. NELSON PARKER
FREDERIC S. CLARK
HERBERT A. KING

Committee.

This report was accepted and adopted.

Report of Committee Appointed at the Annual Town Meeting of 1917, To Make Repairs on Middlesex Turnpike Across Nuttings Pond.

The foundation of the turnpike, across the pond, was found to be in good condition; the foundation on both sides is presumably very poor; the amount of filling required to widen the roadway would be very large, and the cost so excessive that little immediate relief would be obtained from the appropriation available last year.

The Committee decided that the present roadway, which is 30 feet or more in width, if raised a little and properly protected on the sides, would handle the travel for many years, and the money expended would give immediate relief.

There was available for plans and construction \$2800.00; plans were unnecessary and the whole amount was spent in construction, which was done under the supervision of the Highway Surveyor.

A stone culvert of ten feet clear width and approximately five feet high was constructed with a wooden covering; this necessitated raising the grade of the roadway about three feet at the culvert, and extending fifty feet each way, requiring two hundred feet of retaining wall.

It was decided best to protect the sides of the roadway by an iron post and wooden rail fence, set in a heavy cement base; this construction has been placed on the two hundred feet of new wall, and the balance of the appropriation was used in raising and surfacing the roadway with cinders.

The Committee is of the opinion that public safety requires that the surfacing of the roadway should be finished and fences built on both sides during the present year; this will require considerable rock which can be taken from the road on the northerly side of the pond, so as to afford a much needed improvement at that point.

It is estimated that \$2000.00 will be required for this work.

Respectfully submitted,

EDGAR P. SELLEW
ALEXANDER H. MITCHELL,
GEORGE P. GREENWOOD

Committee.

This report was accepted.

Article 4. On the motion of Mr. T. E. Smith it was voted that the repair of roads and bridges be in the care of the Highway Surveyor under the direction of the Selectmen.

Article 5. Appropriations were made as follows:—

Police Department	\$ 4,000.00
Incidentals	1,200.00
Maintenance of Halls	1,500.00
Common and Town Pump	150.00
Treasurer's and Collector's Bonds	220.00
Interest	10,000.00
Sinking Fund and Bond Interest, Town Hall	2,000.00
Sinking Fund and Bond Interest, School House	1,750.00

High School, Bond Interest	3,150.00
Town Notes	12,500.00
Water Department, Maintenance	11,500.00
Hydrants	4,125.00
Fire Dept., salaries, equipment and extension of service	6,200.00
Schools, including Dog Tax	40,415.00
Medical Inspection of Schools	500.00
Board of Health Expenses	700.00
Town Farm	4,800.00
Outside Relief	3,000.00
Moth	3,000.00
Elm Beetle	300.00
Tree Warden	200.00
Cemeteries	2,500.00
Park Commissioners for General Expenses	400.00
Care of Snow and Sanding Sidewalks	1,000.00
Macadam Repairs	3,000.00
Repair of Roads other than Macadam and equipment (in- cluding excise), \$2000.00 of which shall be spent on Middlesex Turnpike	9,400.00
Bridges	300.00
Sidewalk Repairs	300.00
Street Lighting	4,500.00
Memorial Day	125.00
Assessors' Special	150.00
Indexing Records	50.00
Printing	750.00
Reserve	2,000.00
Sinking Fund, Water Bonds	1,800.00

Salaries:

Collector of Taxes	700.00
Selectmen	600.00
Assessors	900.00
Overseers of the Poor	400.00
School Committee	180.00
Town Clerk	300.00
Town Treasurer	500.00
Town Accountant	700.00
Election Officers	225.00
Registrars of Voters	200.00
Fish Warden	10.00
Sealer of Weights and Measures	25.00
Board of Health	150.00
Cattle Inspector	100.00
Forest Warden	100.00
Building Inspector	100.00

Voted in the affirmative that \$117,000.00 be raised under this article. On motion of Mr. Thomas T. Clark it was voted in the affirmative that \$200.00 of the amount appropriated for Fire Department be paid to the State Forest Warden to help pay for the new fire tower to be erected on Robbins Hill.

Voted in the affirmative that the \$650.00 raised at the last annual meeting for repairing sidewalks on Elm and Faulkner Streets and not used as yet, be expended this year for that purpose under the direction of the Selectmen.

Article 6. It was unanimously voted that the Town Treasurer be and hereby is authorized, with the approval of the Selectmen, to borrow during the municipal year beginning January 1, 1918, in anticipation of the collection of taxes of said year, such sums of money as may be necessary for the current expenses of the Town, but not exceeding the total levy of said year, giving the notes of the Town therefor, payable within one year from the date thereof. All debts incurred under the authority of this vote shall be paid from the taxes of the present municipal year.

Article 7. On motion of Mr. H. A. King it was voted in the affirmative that the Town raise and appropriate \$430 for the purposes named under this article.

Article 8. Unanimously voted that this article be dismissed.

Article 9. Voted in the affirmative that three hundred dollars be raised and appropriated for the purpose named in this article.

Article 10. Voted that the Water Commissioners be authorized to complete the extension of the water main from the Ring Farm to Friendship Street.

Article 11. Voted in the affirmative that the balance of the appropriation for the Standpipe Repairs be transferred to New Wells.

Article 12. On motion of Mr. Bartlett it was unanimously voted that the Town raise and appropriate the sum of five hundred dollars (\$500) for building new fire station.

Article 13. It was unanimously voted that the Town amend the By-Laws by striking out Section 9 of Article II, which reads as follows:—"There shall be chosen at the annual meeting three Auditors, who shall examine the books and accounts of all officers and committees of the Town intrusted with the receipt, custody or expenditure of money, and all original bills and vouchers on which money has been, or may be, paid from the Treasury. They shall have free access to such books, accounts, bills and vouchers as often as once a month, and may make an examination thereof, and they shall examine the same at least once in each year, and shall annually report, in writing, to the Town as to the correctness of all such books, accounts, bills and vouchers."

Article 14. It was voted in the affirmative that the Town amend the By-Laws by adding thereto:

ARTICLE VIII. BUILDING REGULATIONS

"There shall be a building inspector appointed by the Selectmen who shall have the right to enter all buildings or premises in the Town in the pursuance of his duty. He shall record all inspections and business, make the yearly report required to the Selectmen by law, and such other reports

as they may call for. He shall frequently inspect all buildings in course of erection or alteration. He shall report violations of the law and the names of those responsible for such, to the Selectmen. Before the erection of a new building or the repairs or alteration of any building to cost in excess of \$250.00 is undertaken, there shall be filed with the building inspector, sketches, plans or descriptions covering all detail of construction for his approval or disapproval. In case of disapproval the matter may be further presented to the Board of Selectmen for action.

"All parts of all buildings shall be not less than seven and one-half feet from the side lines of the property upon which placed. There shall be no dwellings in which provision shall be made for more than one family living above another, or that shall be over two and one-half stories in height. All rooms and every water closet shall be provided with outside windows that shall be made to open one-half their entire area. The glazed surface of the windows of such rooms measured between stop beads shall be at least one-sixth of the area of the floor of such room. Cesspools shall be placed and plumbing installed as directed by the inspector and in accordance with the rules of the Board of Health. Any person violating these By-Laws shall be punished by a fine of not less than \$25.00 or more than \$100.00, to be paid into the Treasury of the Town of Billerica. These requirements and penalties shall apply to such other rules and regulations for building as shall be made from time to time by the Board of Selectmen."

Article 15. Voted in the affirmative that the Town raise and appropriate \$1339.91 to pay the first three items in this article, and that \$543.22 be transferred from the amount raised under Article 41 of the annual meeting, February 10, 1917, for grading in the rear of the High School, to pay for the fourth item.

Article 16. Voted in the affirmative that \$1,258.73 be raised and appropriated for the purposes named in this article.

Article 17. Unanimously voted that \$430.88 be raised and appropriated for the purpose named in the article.

Article 18. Voted in the affirmative that the Town raise and appropriate \$2500.00 to macadamize Lowell Street from Perry's Corner to Sprague's Bridge, provided the County and State shall each furnish a similar amount.

Article 19. On motion of Mr. Tutein it was voted in the affirmative that the vote on Article 23 of the Annual Town Meeting February 10, 1917, be rescinded.

Voted in the affirmative that further action on this article be indefinitely postponed.

Article 20. The Committee appointed to investigate the subject of City and Town Manager and Commission Form of Government begs to report as follows:—

The Committee finds that ninety cities and towns, ranging in population from 800 to 130,000 located in twenty-nine states have adopted the City or Town Manager form of Government. In this State the Town of

Norwood has had this method of government in successful operation since 1915, and the city of Waltham has recently adopted it. The Committee communicated with forty-nine cities and towns whose population varied from 800 to 8,000, corresponding in some particulars to Billerica, which have adopted such form of government. The salary of the City or Town Manager of these municipalities ranged from \$700 to \$3000. Of this number we received replies from twenty-nine cities and towns. Twenty favored this form of government, two were not in favor, while six stated that no manager had been appointed, and one failed to state its opinion. We received copies of the annual reports of seven cities and three towns.

We attach to this report a list of thirty-two cities and towns, having a city or town manager, with the population thereof, the name of the manager and the salary paid.

A list is also given showing the names of ninety cities and towns having city or town managers, the population and the name of the manager, with testimonials of business men and large property holders favoring such form of government.

BURTON O. SANFORD
PHILIP SCOTT
T. FRANK LYONS

Voted that this report be accepted.

Voted in the affirmative that a Committee of seven be appointed by the Moderator, to hold hearings, to draft a bill providing for the Town Manager system of government, and to petition the legislature for its enactment.

On motion of Mr. H. A. King it was unanimously voted that a rising vote of thanks be extended to the Moderator for his efficient and impartial service.

Attest:

ALBERT S. BULL,
Town Clerk.

The Moderator appointed the following committee to draft a bill providing for a Town Manager system of government and to petition the legislature for its enactment:—Philip C. Scott, Edgar P. Sellew, Richard T. Perry, Joseph P. Meaney, Patrick J. Mahoney, Burton O. Sanford, Herbert F. Jacobs.

Attest:

ALBERT S. BULL, Town Clerk.

Finance Committee for 1918 as appointed by the Moderator:—A. H. Mitchell, Frank L. Day, Frank H. Alexander, John A. Richardson, George P. Greenwood, John M. Kennelly, Edgar P. Sellew, Charles H. Williams, Bernard W. Kearney, Ivory M. Hanson, Albert H. Jones, Arthur C. Barker.

Attest:

ALBERT S. BULL, Town Clerk.

WARRANT

Special Town Meeting

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To any Constable in the Town of Billerica:

GREETING:

You are hereby authorized and required to notify and warn the inhabitants of said Town of Billerica, qualified by law to vote in elections and Town affairs, to meet at the Town Hall, Billerica, at 7.45 p. m., Wednesday, May 8, 1918, to act upon the following articles:

ARTICLE 1. To hear the reports of any committees previously appointed and to pass any vote in relation to the same.

ARTICLE 2. To see what sum of money, if any, the Town will raise and appropriate for the care of the Stearns and Blanchard Brooks, or act in relation to the same.

ARTICLE 3. To see if the Town will raise the pay of the employees of the Highway Department from \$2.75 per day to \$3.00 per day, this increase to date from March 18, 1918, or act in relation thereto.

ARTICLE 4. To see if the Town will raise and appropriate the sum of \$100 for a new sidewalk on Chadwick Street, or act in relation to the same.

ARTICLE 5. To see if the Town will raise and appropriate the sum of \$200 for necessary repairs on the Corner Bridge, or act in relation thereto.

ARTICLE 6. To see if the Town will raise and appropriate the sum of \$3000 for an auto truck to be used in the Highway Department, or do anything in relation to the same.

ARTICLE 7. To see if the Town will pay the Highway Surveyor for his services at the rate of \$2000 per year, said sum to include all charges for conveyance in the performance of his work, or act in relation thereto.

And you are to serve this warrant by posting true and attested copies thereof, one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post Offices of the Town, and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this eighth day of April, in the year of our Lord, Nineteen Hundred and Eighteen.

THOMAS F. SHERIDAN
THOMAS TALBOT CLARK
FORREST F. COLLIER

Selectmen of the Town of Billerica.

A true copy. Attest:

HENRY D. LIVINGSTON, Constable.

I have served the above Warrant as therein directed.

HENRY D. LIVINGSTON, Constable.

Report of the Finance Committee

Article 2. Recommended that a committee be appointed to consider this matter and report at the next annual meeting.

Article 3. Recommended that the pay of the employees of the highway department be raised to \$3.00 per day.

Article 4. Recommended that this article be dismissed.

Article 5. Recommended that \$200.00 be raised and appropriated for the purpose named in this article.

Article 6. Recommended.

Article 7. Recommended that the Town pay the Highway Surveyor \$1800 per year, this amount to include all expenses, including conveyance and clerk hire.

ALBERT S. BULL, Clerk.

The following action was taken:—

Article 1. Voted that this article be dismissed.

Article 2. Voted in the affirmative that \$300 be raised and appropriated to clean out Stearns Brook, same to be expended under the direction of the Highway Surveyor.

Article 3. It was affirmatively voted that the pay of the Highway employees be raised to \$3.25 per day.

Article 4. Voted in the affirmative that the sum of \$100 be raised and appropriated for a new sidewalk on Chadwick Street.

Article 5. Unanimously voted that \$200 be raised and appropriated for necessary repairs on the Corner Bridge.

Article 6. Moved and seconded that \$3500 be raised and appropriated for an auto truck to be used by the Highway Department.

Moved and seconded that this article be postponed until the next annual town meeting.

James H. Gannon, George P. Greenwood and Edgar P. Sellew appointed as tellers and sworn in by the Town Clerk.

Motion lost 67 to 42.

Voted in the affirmative that \$3500 be raised and appropriated for an auto truck to be used by the Highway Department.

Article 7. Moved and seconded that the Highway Surveyor be paid at the rate of \$2000 per year.

Amended that he be paid \$1500 a year, this to include clerk and auto hire. This amendment not carried.

Amendment that the Highway Surveyor be paid at the rate of \$1900 a year, this amount to include clerk and auto hire. Lost.

Voted in the affirmative that the Highway Surveyor be paid at the rate of \$2000 a year, said sum to include all charges for conveyance in the performance of his work.

Attest:

ALBERT S. BULL, Town Clerk.

MEETING OF THE BILLERICA FINANCE COMMITTEE JULY 29, 1918.

A meeting of the Finance Committee was held Monday evening, July 29, 1918, to consider the matter of giving financial assistance to the Highway Department and the Fire Station Building Committee from the Reserve Fund of \$2000 appropriated at the annual town meeting, February 9, 1918.

The following members were present:—Forrest F. Collier, Charles H. Eames, Alexander H. Mitchell, Frank H. Alexander, Edgar P. Sellew, John M. Kennelly, B. W. Kearney, Arthur S. Cook and Thomas F. Sheridan. Chairman Collier presided.

Chief Ernest N. Bartlett of the Fire Department, Highway Surveyor E. F. Twombly, and Frederick G. Farquhar, Chairman of the Fire Station Committee attended and explained the needs of their departments. On motion of Mr. Sellew it was voted to allow \$1000 of the Reserve Fund to be used for the relief of the Highways; \$700 to equip the new Fire Station with furniture and the necessary supplies and to establish permanent service at the Fire House for the remainder of the year and \$300 to complete the grading at the station.

Respectfully submitted,

THOMAS F. SHERIDAN,

Secretary Pro Tem.

WARRANT

Annual Primary, Town of Billerica

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To either of the Constables of the Town of Billerica:

GREETING:

In the name of the Commonwealth you are hereby required to notify the inhabitants of said Town who are qualified to vote in Primaries to meet in Precinct 1, Town Hall, Billerica; Precinct 2, Union Hall, North Billerica, at 2 o'clock p. m., Tuesday, the Twenty-fourth Day of September, 1918, for the following purposes:

To bring in their votes to the Primary Officers for the nomination of Candidates of Political Parties for the following offices:

Governor, Lieutenant Governor, Secretary of the Commonwealth, Treasurer and Receiver General, Auditor of the Commonwealth, Attorney-General, U. S. Senators in Congress, Congressmen for the Fifth Congressional District, Councillor from the Sixth Councillor District, Senator from the Seventh Senatorial District, One Representative in General Court for the Seventeenth Middlesex Representative District, County Commissioner for Middlesex County, County Treasurer for Middlesex County, Register of Probate and Insolvency for Middlesex County.

And for the election of the following officers:

District Member of the State Committee for each Political Party for the Seventh Senatorial District,

Members of the Democratic Town Committee,

Members of the Republican Town Committee,

Members of the Socialist Town Committee,

Delegates to State Convention of the Democratic Party,

Delegates to the State Convention of the Republican Party,

Delegates to State Convention of the Socialist Party.

All the above candidates and officers are to be voted for upon one ballot.

The polls will be open from 2 p. m. to 8 p. m.

And you are directed to serve this warrant by posting attested copies thereof eight days at least before the time of said meeting as directed by vote of the Town.

Hereof fail not and make return of this Warrant with your doings thereon at the time and place of said meeting.

Given under our hands this Ninth Day of September, A. D. 1918.

THOMAS F. SHERIDAN
THOMAS TALBOT CLARK
FORREST F. COLLIER

Selectmen of the Town of Billerica.

Billerica, Mass., Sept. 24, 1918.

I have served this Warrant as therein directed.

HENRY D. LIVINGSTON, Constable.

Under the foregoing Warrant the following vote was cast:

DEMOCRATIC

Governor

	Prec. 1.	Prec. 2.	Total
Edward P. Barry of Bostin	2	6	8
William A. Gaston of Boston	7	6	13
Richard H. Long of Framingham	1	7	8

Lieutenant-Governor

Joseph H. O'Neil	5	3	8
Blanks	5	16	21

Secretary

Charles H. McGlue	5	3	8
Blanks	5	16	21

Treasurer

Charles Giddings	5	3	8
Blanks	5	16	21

Auditor

Francis M. Costello	5	3	8
Blanks	5	16	21

Attorney-General

Joseph L. St. Cocur	5	3	8
Blanks	5	16	21

Senator in Congress

David I. Walsh	8	17	25
Blanks	2	2	4

	Prec. 1.	Prec. 2.	Total
Congressman			
John J. Nugent	0	1	1
Blanks	10	18	28
Councillor			
Blanks	10	19	29
Senator			
John Fairbrother	0	1	1
Blanks	10	18	28
Representative in General Court			
Thomas F. McElligott	0	1	1
Blanks	10	18	28
County Commissioner			
Blanks	10	19	29
County Treasurer			
Blanks	10	19	29
Register of Probate and Insolvency			
Blanks	10	19	29
State Committee			
Blanks	10	19	29
Delegates to State Convention			
Michael H. McElligott	1	0	1
John M. Kennelly	1	0	1
John R. Conway	0	1	1
John Nugent	0	1	1
Edward R. Costello	0	1	1
Dennis J. Mahoney	0	1	1
Blanks	18	34	52
Town Committee			
Michael H. McElligott	2	2	5
Thomas F. McElligott	1	5	6
John M. Kennelly	1	0	1
Philip B. Dolan	1	0	1
Edward Costello	2	6	8
Wendell P. Stevens	1	0	1
James Bradley	1	1	2
Arthur F. Mahoney	1	5	6
Neil R. Mahoney	2	1	3
Charles Cowdrey	1	3	4
P. J. Mahoney	1	0	1
John Reardon	1	1	2
Michael Hayes	1	0	1
John Verner	2	2	4

	Prec. 1.	Prec. 2.	Total
James Condon	1	1	2
Patrick Kennelly	1	0	1
Frank Dolan	1	0	1
William Costello	1	0	1
Dennis J. Mahoney	0	7	7
Timothy McCarthy	0	3	3
William S. Taylor	0	2	2
Thomas J. Dolan	0	1	1
Joseph Morris	0	1	1
Fred Reardon	0	1	1
William H. O'Brien	0	2	2
John J. McSweeney	0	1	1
Thomas Riley	0	1	1
Thomas F. Sheridan	0	1	1
Martin Shalloo	0	1	1
T. Frank Lyons	0	1	1
James J. White	0	1	1
Dennis J. O'Mara	0	1	1
Charles J. Nugent	0	1	1
Fred Hannon	0	1	1
John Nugent	0	1	1
John Conway	0	1	1
Carroll Delehanty	0	1	1
Blanks	97		

REPUBLICAN

Governor

Calvin Coolidge	44	52	96
Blanks	4	1	5

Lieutenant-Governor

Channing H. Cox	36	32	68
Guy Andrews Ham	9	19	28
Blanks	3	2	5

Secretary

Albert P. Langtry	43	48	91
Blanks	5	5	10

Treasurer

Charles L. Burrill	39	42	81
Frank W. Thayer	4	4	8
Blanks	5	7	12

Auditor

Alonzo B. Cook	39	45	84
Alonzo P. Grinnell	4	3	7
Blanks	5	5	10

	Prec. 1.	Prec. 2.	Total
Attorney-General			
J. Weston Allen	21	18	39
Henry C. Attwill	25	30	55
Blanks	2	5	7
Senator in Congress			
John W. Weeks	43	50	93
Blanks	5	3	8
Congressman			
John Jacob Rogers	45	50	95
Blanks	3	3	6
Councillor			
James G. Harris	43	44	87
Blanks	5	9	14
Senator			
Edward B. Eames	45	47	92
Blanks	3	6	9
Representative in General Court			
Maurice A. Buck	44	52	96
J. Harold Dale	1	0	1
Thomas Talbot Clark	1	0	1
Blanks	2	1	3
County Commissioner			
Alfred L. Cutting	40	49	89
Blanks	8	4	12
County Treasurer			
Charles Bruce	18	25	43
James O. Hayden	24	25	49
Blanks	6	3	9
Register of Probate and Insolvency			
William G. Andrew	8	17	25
Frederick M. Estey	32	31	63
Blanks	8	5	13
State Committee			
Louis Pfeiffer	40	49	89
Blanks	8	4	12
Delegates to State Convention			
Frank L. Day	42	43	85
Charles H. Bailey	43	44	87
Dana H. Spiller	42	42	84
Blanks	17	30	47

	Prec. 1.	Prec. 2.	Total
Town Committee			
Herbert A. King	37	43	80
Dana H. Spiller	39	41	80
James F. Fuller	40	42	82
Warren Holden	40	41	81
Clarence A. Bowman	42	42	84
John A. Richardson	41	45	86
Frank L. Day	38	41	79
Prescott L. Pasho	37	42	79
George H. Perry	39	43	82
Thomas Talbot Clark	40	44	84
Bernard Fetherston	38	41	79
John J. Ritchie	40	47	87
James H. Rule	39	43	82
Richard T. Perry	39	44	83
John Brown	39	44	83
Frederic G. Brown	38	45	83
George F. Hurst	39	45	84
Charles H. Bailey	38	43	81
Blanks	161	178	349

PRECINCT CLERKS' REPORTS

Report of Clerk of Precinct 1.

Billerica, Mass., Sept. 24, 1918.

Polls opened at 2 o'clock. Precinct officers sworn in by town clerk.

The precinct officers unanimously elected Albert S. Bull to fill the vacancy caused by the illness of Chas. A. Wright and D. Fred Reardon to fill the vacancy caused by the absence of John F. Reardon.

Polls closed at 8 o'clock.

Total vote cast 58. 48 Republican ballots. 10 Democratic ballots.

MICHAEL H. McELLIGOTT,
Clerk of Precinct Officers.

Precinct 2.

Union Hall

Billerica, Mass., Sept. 24, 1918.

Polls opened at two o'clock.

The following officers were duly sworn in by Town Clerk Albert S. Bull:

Warden —Dennis J. Mahoney.

Deputy Warden—Edward R. Costello.

Clerk—Charles H. Bailey.

Deputy Clerk—Frank E. Walker.

Inspector—John J. Ritchie.

Deputy Inspector—Timothy J. McCarthy, Jr.

Deputy Inspectors—Frederic G. Brown and Timothy J. Mahoney not reporting the Clerk swore in as Deputy Inspector Joseph Brown, after he had been voted upon by the election officers present.

Number of ballots received were:—

Republican 250. Ballots cast 53. Ballots returned 197.

Democratic 200. Ballots cast 19. Ballots returned 181.

Socialist 100. Ballots cast 0. Ballots returned 100.

Polls closed at 8 p. m.

CHARLES H. BAILEY, Clerk.

Attest:

ALBERT S. BULL, Town Clerk.

WARRANT

Annual State Election, Town of Billerica

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX, SS.

To either of the Constables of the Town of Billerica:

GREETING:

In the name of the Commonwealth you are hereby required to notify the inhabitants of said Town who are qualified to vote in elections and town affairs to meet at Precinct One, Town Hall, Billerica; Precinct Two, Union Hall, North Billerica, at 6 o'clock a. m., Tuesday, the Fifth Day of November, 1918, to bring in their votes on one ballot for the following officers:

Governor, Lieutenant-Governor, Secretary of the Commonwealth, Treasurer and Receiver General, Auditor of the Commonwealth, Attorney General, United States Senator in Congress, Congressman for the Fifth Congressional District, Councillor for the Sixth Councillor District, Senator for the Seventh Senatorial District, One Representative in General Court for the Seventeenth Middlesex Representative District, County Commissioner for Middlesex County, County Treasurer for Middlesex County, Register of Probate and Insolvency for Middlesex County.

Also to act upon the following matters:

Acceptance of the following articles of Amendment submitted by the Constitutional Convention.

ARTICLE OF AMENDMENT No. 1.

The establishment of the popular initiative and referendum and the legislative initiative of specific amendments of the Constitution.

ARTICLE OF AMENDMENT No. 2.

The conservation, development and utilization of the agricultural, mineral, forest, water and other natural resources of the commonwealth are public uses, and the general court shall have power to provide for the taking, upon payment of just compensa-

tion therefor, of lands and easement or interests therein, including water and mineral rights, for the purpose of securing and promoting the proper conservation, development, utilization and control thereof and to enact legislation necessary or expedient therefor.

ARTICLE OF AMENDMENT No. 3.

Advertising on public ways, in public places and on private property within public view may be regulated and restricted by law.

ARTICLE OF AMENDMENT No. 4.

The preservation and maintenance of ancient landmarks and other property of historical or antiquarian interest is a public use, and the commonwealth and the cities and towns therein may, upon payment of just compensation, take such property or any interest therein under such regulations as the general court may prescribe.

ARTICLE OF AMENDMENT No. 5.

The general court, by concurrent vote of the two houses, may take a recess or recesses amounting to not more than thirty days; but no such recess shall extend beyond the sixtieth day from the date of their first assembling.

ARTICLE OF AMENDMENT No. 6.

To authorize the General Court to prescribe, subject to certain restrictions, the manner of the appointment and removal of military and naval officers to be commissioned by the Governor.

ARTICLE OF AMENDMENT No. 7.

To define the powers and duties of the General Court relative to the military and naval forces, and of the Governor as Commander-in-Chief thereof.

ARTICLE OF AMENDMENT No. 8.

To provide for the succession, in cases of vacancies in the offices of Governor and Lieutenant Governor, by the secretary, attorney-general, treasurer and receiver general, and auditor, in the order named.

ARTICLE OF AMENDMENT No. 9.

To authorize the Governor to return to the General Court with a recommendation for amendment bills and resolves which have been laid before him.

ARTICLE OF AMENDMENT No. 10.

Article IV of the articles of amendment of the constitution of the commonwealth is hereby amended by adding thereto the following words:—Women shall be eligible to appointment as notaries public. Change of name shall render the commission void, but shall not prevent reappointment under the new name.

ARTICLE OF AMENDMENT No. 11.

(Relative to the Retirement of Judicial Officers.)

Article I of Chapter III of Part the Second of the Constitution is hereby amended by the addition of the following words:— and provided also that the governor with the consent of the council, may after due notice and hearing retire them because of advanced age or mental or physical disability. Such retirement shall be subject to any provisions made by law as to pensions or allowances payable to such officers upon their voluntary retirement.

ARTICLE OF AMENDMENT No. 12.

Every charter, franchise or act of incorporation shall forever remain subject to revocation and amendment.

ARTICLE OF AMENDMENT No. 13.

The general court shall have power to limit buildings according to their use or construction to specified districts of cities and towns.

ARTICLE OF AMENDMENT No. 14.

The general court shall have authority to provide for compulsory voting at elections, but the right of secret voting shall be preserved.

ARTICLE OF AMENDMENT No. 15.

To limit the power of the General Court to lend the credit of the Commonwealth and to contract loans.

ARTICLE OF AMENDMENT No. 16.

To provide for a state budget and the veto by the Governor of items or parts of items in appropriation bills.

ARTICLE OF AMENDMENT No. 17.

To provide for biennial elections of state officers, councillors and members of the General Court.

ARTICLE OF AMENDMENT No. 18.

No person elected to the general court shall during the term for which he was elected be appointed to any office created or the emoluments whereof are increased during such term, nor receive additional salary or compensation for service upon any recess committee or commission except a committee appointed to examine a general revision of the statutes of the commonwealth when submitted to the general court for adoption.

ARTICLE OF AMENDMENT No. 19.

On or before January first, nineteen hundred twenty-one, the executive and administrative work of the commonwealth shall be organized in not more than twenty departments, in one of which every executive and administrative office, board and commission, except those officers serving directly under the governor or the council, shall be placed. Such departments shall be under such supervision and regulation as the general court may from time to time prescribe by law.

The Polls may close at 4 p. m.

And you are directed to serve this warrant by posting attested copies thereof eight days at least before the time of said election as directed by vote of the Town.

Hereof fail not and make return of this warrant with your doings thereon at the time and place of said election.

Given under our hands this Twenty-first Day of October, A. D. 1918.

THOMAS F. SHERIDAN,
THOMAS TALBOT CLARK,
FORREST F. COLLIER,

Selectmen of the Town of Billerica.

Billerica, Mass., Nov. 5, 1918.

I have served the above warrant as therein directed.

HENRY D. LIVINGSTON, Constable.

Under the above Warrant the following vote was cast:—

	Prec. 1.	Prec. 2.	Total
Governor			
Calvin Coolidge of Northampton	177	137	314
Richard H. Long of Framingham	59	149	208
Sylvester J. McBride of Watertown	3	6	9
Ingvar Paulsen of Boston	1	1	2
Blanks	4	4	8

Prec. 1. Prec. 2. Total

Lieutenant-Governor

Channing H. Cox of Boston	184	146	330
Oscar Kinsalas of Springfield	6	3	9
Joseph H. O'Neil of Boston	46	133	179
Blanks	8	15	23

Secretary

Albert P. Langtry of Springfield	181	141	322
Charles H. McGlue of Lynn	41	131	172
William Taylor of Worcester	6	3	9
Blanks	16	22	38

Treasurer

Charles L. Burrill of Boston	181	141	322
Charles Giddings of Great Barrington ..	42	126	168
Mary E. Peterson of Somerville	4	3	7
Blanks	17	27	44

Auditor

Alonzo B. Cook of Boston	178	147	325
Francis M. Costello of Boston	42	130	172
Fred E. Oelcher of Peabody	3	2	5
Blanks	21	18	39

Attorney-General

Henry C. Attwill of Lynn	177	151	328
Morris I. Becker of Chelsea	5	8	13
Joseph L. P. St. Coeur of Boston	41	118	160
Blanks	20	20	40

Senator in Congress

Thomas W. Lawson of Scituate	21	9	30
David I. Walsh of Fitchburg	67	152	219
John W. Weeks of Newton	152	129	281
Blanks	4	7	11

Congressman—Fifth District

John Jacob Rogers of Lowell	213	230	443
Willie Morris	1	0	1
Blanks	30	67	97

Councillor—Sixth District

James G. Harris of Medford	191	184	375
Blanks	53	113	166

Senator—Seventh Middlesex District

Edward B. Eames	191	182	373
Blanks	53	115	168

Prec. 1. Prec. 2. Total

Representative in General Court—17th Middlesex District

Maurice A. Buck of Billerica	208	237	445
J. H. Dale	1	0	1
Everett S. Bull	1	0	1
Blanks	34	60	94

County Commissioner—Middlesex County

Alfred L. Cutting of Weston	188	188	376
Blanks	56	109	165

County Treasurer—Middlesex County

Joseph O. Hayden of Somerville	188	188	376
Blanks	56	109	165

Register of Probate and Insolvency

Frederick M. Estey of Framingham	186	188	374
Blanks	58	108	166

1. Shall the Article of Amendment relative to the establishment of the popular initiative and referendum and the legislative initiative of specific amendments of the Constitutional Convention, be approved and ratified?

Yes	65	105	170
No	138	121	259
Blanks	41	71	112

2. Shall the following Article of Amendment relative to the public interest in natural resources submitted by the Constitutional Convention be approved and ratified?

Yes	81	108	189
No	94	74	168
Blanks	69	115	184

Article of Amendment

The conservation, development and utilization of the agricultural, mineral, forest, water, and other natural resources of the Commonwealth are public uses, and the General Court shall have power to provide for the taking upon payment of just compensation therefor, of lands and easements or interests therein, including water and mineral rights, for the purpose of securing and promoting the proper conservation, development, utilization and control thereof and to enact legislation necessary or expedient therefor.

3. Shall the following Article of Amendment to provide for the regulation of advertising in public places submitted by the Constitutional Convention, be approved and ratified?

Yes	99	115	214
No	74	66	140
Blanks	71	116	187

Article of Amendment

Advertising on public ways, in public places and on private property within public view may be regulated and restricted by law.

4. Shall the following Article of Amendment relative to the preservation and maintenance of property of historical and antiquarian interest, submitted by the Constitutional Convention, be approved and ratified?

Yes	100	102	202
No	66	64	130
Blanks	78	131	209

Article of Amendment

The preservation and maintenance of ancient landmarks and other property of historical or antiquarian interest is a public use and the Commonwealth and the cities and towns therein may, upon payment of just compensation, take such property or any interest therein under such regulations as the General Court may prescribe.

5. Shall the following Article of Amendment relative to Adjournment of the General Court, submitted by the Constitutional Convention, be approved and ratified?

Article of Amendment

The General Court, by concurrent vote of the two houses, may take a recess or recesses amounting to not more than thirty days; but no such recess shall extend beyond the sixtieth day from the date of their first assembling.

Yes	59	78	137
No	86	79	165
Blanks	99	140	239

6. Shall the Article of Amendment authorizing the General Court to prescribe, subject to certain restrictions, the manner of the appointment, and removal of military and naval officers to be commissioned by the Governor, submitted by the Constitutional Convention, be approved and ratified?

Yes	67	77	144
No	82	79	161
Blanks	95	141	236

7. Shall the Article of Amendment defining the powers and duties of the General Court relative to the military and naval forces, and to the Governor, as Commander-in-Chief thereof, be approved and ratified?

Yes	68	81	149
No	79	65	144
Blanks	97	151	248

8. Shall the Article of Amendment providing for the succession, in cases of vacancies in the office of Governor, and Lieutenant-Governor, by the Secretary, Attorney-General, Treasurer, and Receiver-General and Auditor, in the order named, be approved and ratified?

Yes	92	92	184
No	57	63	120
Blanks	95	142	237

9. Shall the Article of Amendment authorizing the Governor to return to the General Court with a recommendation for amendment bills and resolves which have been laid before him, be approved and ratified?

Yes	76	86	162
No	64	61	125
Blanks	104	150	254

10. Shall the following Article of Amendment providing that women be eligible to appointment as Notaries Public, submitted by the Constitutional Convention, be approved and ratified?

Yes	73	86	159
No	78	76	154
Blanks	93	135	228

Article of Amendment

Article IV of the Articles of Amendment of the Constitution of the Commonwealth is hereby amended by adding thereto the following words: Women shall be eligible to appointment as Notaries Public. Change of name shall render the commission void, but shall not prevent re-appointment under the new name.

11. Shall the following Article of Amendment relative to the Retirement of Judicial Officers submitted by the Constitutional Convention, be approved and ratified?

Yes	73	80	153
No	67	66	133
Blanks	104	151	255

Article of Amendment

Article I of Chapter III of Part the Second of the Constitution is hereby amended by the addition of the following words:—Provided also that the Governor, with the consent of the council, may after due notice and hearing retire them because of advanced age or mental or physical disability. Such retirement shall be subject to any provisions made by law as to pensions or allowances payable to such officers upon their voluntary retirement.

12. Shall the following Article of Amendment to the Revocation or Alteration of Grants, Franchises, Privileges or Immunities submitted by the Constitutional Convention be approved and ratified?

Yes	72	86	158
No	64	64	128
Blanks	108	147	255

Article of Amendment

Every charter, franchise or act of incorporation shall forever remain subject to revocation and amendment.

13. Shall the following Article of Amendment relative to the Power of the General Court to Limit Buildings according to their use or construction to Specified Districts, or Cities or Towns, submitted by the Constitutional Convention, be approved and ratified?

Yes	75	90	165
No	67	67	134
Blanks	102	140	242

14. Shall the following Article of Amendment relative to Compulsory Voting at Elections, submitted by the Constitutional Convention, be approved and ratified?

Yes	76	65	141
No	89	105	194
Blanks	79	127	206

Article of Amendment

The General Court shall have authority to provide for compulsory voting, at elections, but the right of secret voting shall be preserved.

15. Shall the amendment of the Constitution limiting the power of the General Court to lend the credit of the Commonwealth and to contract loans be approved and ratified?

Yes	69	77	146
No	76	76	152
Blanks	99	144	243

16. Shall the amendment to the Constitution providing for a state budget and to veto by the Governor of items or parts of items in appropriation bills be approved and ratified?

Yes	72	79	151
No	68	72	140
Blanks	104	146	250

17. Shall the amendment of the Constitution providing for biennial elections of state officers, councillors and members of the General Court be approved and ratified?

Yes	84	74	158
No	77	87	164
Blanks	83	136	213

18. Shall the following Article of Amendment relative to service on certain legislative recess committees and commissions, submitted by the Constitutional Convention be approved and ratified?

Yes	75	71	146
No	69	83	152
Blanks	100	143	243

Article of Amendment

No person elected to the General Court shall during the term for which he was elected be appointed to any office created or the emoluments whereof are increased during such term, nor receive additional salary or

compensation for service upon any recess committee or commission, except a committee appointed to examine a general revision of the statutes of the Commonwealth when submitted to the General Court for adoption.

19. Shall the following Article of Amendment to provide for the more efficient administration of the business of the Commonwealth, submitted by the Constitutional Convention, be approved and ratified?

Yes	66	81	147
No	73	80	153
Blanks	105	136	241

Article of Amendment

On or before January first, nineteen hundred and twenty-one the executive and administrative work of the Commonwealth shall be organized in not more than twenty departments, in one of which every executive and administrative office, board and commission, except those officers serving directly under the Governor or the council, shall be placed. Such departments shall be under such supervision and regulation as the general court may from time to time prescribe by law.

Total vote Precinct 1, 244.

Total vote Precinct 2, 297.

Total vote of Town, 541.

REPORT OF PRECINCT OFFICERS

Precinct 1.

Billerica, Mass., Nov. 5, 1918.

Polls opened at 6 o'clock a. m. with six precinct officers present. The precinct officers unanimously elected D. Fred Reardon to take the place of John F. Reardon and Francis J. Dolan to take the place of Charles E. Scott.

A motion was made and carried that the polls remain open until 4.20 p. m. The polls were closed at 4.20 p. m.

M. H. McELLIGOTT, Clerk.

Precinct 2.

Union Hall, North Billerica, Nov. 5, 1918.

Polls opened at 6 a. m. with the following officers present:

Warden—Dennis J. Mahoney.

Deputy Warden—Edward R. Costello.

Clerk—Charles H. Bailey.

Deputy Clerk—Frank E. Walker.

Inspector—John J. Ritchie.

Deputy Inspector—Frederic G. Brown.

Inspector—Timothy J. McCarthy, Jr.

Deputy Inspector Timothy J. Mahoney did not appear and Joseph Brown was duly sworn to serve in his place.

Total number of ballots received, 600.

Total number of ballots cast, 297.

Total number of ballots returned, 303.

Polls closed at 4 p. m.

Respectfully submitted,

CHARLES H. BAILEY, Clerk.

Attest:

HERBERT A. KING,

Town Clerk, Pro Tem.

TOWN OF BILLERICA

Office of Board of Selectmen

Billerica, Mass., Oct. 21, 1918.

Mr. Herbert A. King, Billerica. Notice is hereby given of your appointment by the Board of Selectmen as Town Clerk for the unexpired term ending February 8, 1919. This appointment is made subject to the laws of the Commonwealth of Massachusetts and the rules and regulations of the Board of Selectmen and is revokable at the pleasure of said Board of Selectmen.

Respectfully yours,

THOMAS F. SHERIDAN
THOMAS TALBOT CLARK

Selectmen of the Town of Billerica.

Sworn in by Everett S. Bull.

COMMONWEALTH OF MASSACHUSETTS.

County of Middlesex.

Office of the Town Clerk.

November 15, 1918, at 12 o'clock m.

We, the undersigned, Clerks of the towns included in the Seventeenth Middlesex Representative District, certify: That a meeting of said Clerks was holden as directed by Section 322, Chapter 835, Acts of 1913, at the place designated by the County Commissioners, to wit: at the Town Hall, Tewksbury, on the date and at the time above written for the purpose of determining who appeared to be elected to the office of Representative in the General Court from said District, and that they did examine and compare the record of votes given in for said office at the Election holden on the 5th day of November, A. D., 1918, in the towns of Tewksbury, Billerica, Burlington, Dracut, North Reading and Wilmington, of which said District is comprised; and we further certify the following to be a true and complete schedule of all the persons voted for for Representative in the said District, and as shown by the said copies of record the number of votes for each person:

Maurice A. Buck of Billerica, one thousand three hundred ninety-three.

J. H. Dale of Billerica, one.

Everett S. Bull of Billerica, one.

Blanks, three hundred ninety-three.

Whole number of ballots, one thousand seven hundred eighty-eight.

PETER W. CAMERON, Town Clerk of Tewksbury.

HERBERT A. KING, Town Clerk of Billerica.

SELWYN H. GRAHAM, Town Clerk of Burlington.

JOHN W. BRENNAN, Town Clerk of Dracut.

HERBERT L. ABBOTT, Town Clerk of North Reading.

JAMES E. KELLEY, Town Clerk of Wilmington.

Attest:

HERBERT A. KING,

Town Clerk, Pro Tem.

BIRTHS RECORDED IN BILLERICA DURING 1918

No.	Date	Name of Child	Name of Parents
1.	Jan. 17	Margaret Isabelle Mason	Melvin and Ella
2	Jan. 15	Helen Pickowicz	John and Kattnen
3	Jan. 25	Catherine McGunuss	Arthur and Catherine
4	Jan. 8	Mary Thersa Owens	John and Lillian
5	Jan. 17	Frank J. McCauley	John and Eva
6	Jan. 21	Robert Edmund Johnson	James and Florence
7	Jan. 29	Elwood George Harper	Frank and Henrietta
8	Jan. 25	John Arthur Chandler	Walter and Anna
9	Feb. 22	Charles Willard Doane	Charles and Matilda
10	Feb. 17	Steven C. Boyle	Steven and Mildred
11	Mar. 10	Evelyn Bertha Johnson	Tudor and Isabelle
12	Jan. 17	Lewis Alden Crosby	Lewis and Delia
13	Feb. 15	Vivian Hazel Osgood	Newell and Lottie
14	Feb. 16	Doris Colgate	Ellis and Flora
15	Feb. 28	Russell John Taylor	George and Gladys
16	Mar. 22	Emily Louise Smith	Tom and Emily
17	Apr. 7	Alice Gertrude Rollins	Charles and Mary
18	Mar. 18	James Campbell	James and Christina
19	Apr. 16	Marcus Anthony Coffey	John and Mary
20	Mar. 3	No name Rogers	James and Ida
21	Mar. 27	Charlotte Marie Major	Daniel and Charlotte
22	Apr. 14	Isabel Carver Scott	Philip and Jemina
23	Apr. 24	Edward Anthony Iversen	John and Josephine
24	May 19	No name Atherton	George and Geneva
25	May 24	Jennie Elizabeth Whittemore	Arthur and Lillian
26	May 1	Robert Pasho	Chester and Julia
27	May 14	Dorothy Waitz	Harry and Gertrude
28	May 21	Gerard Leo Casey	Peter and Frances
29	May 28	John Sabre	George and Esther
30	June 10	Helen Elizabeth Lyons	Thomas and Gertrude
31	June 30	Theodore William Brooks	William and Mabel
32	May 4	Marjorie Claire Lyndall	Carl and Etta
33	June 4	Margrett Rita St. John	Fred and Margaret
34	July 11	Arthur Joseph Hamelin	Joseph and Mathilda
35	July 31	Virginia Ada Plumley	Harold and Bernice
36	July 16	Lawrence Duglas MacLean	John and Amanda
37	July 30	———— Peckos	James and Georgia
38	Aug. 4	Varsenig Karoghlanian	Sahag and Taranoach
39	Apr. 15	George Edward Hennessey	George and Lottie
40	July 21	Phyllis Anna O'Hara	Fred and Lena
41	Aug. 21	———— McCarron	Robert and Ethel
42	Aug. 25	Hermine Agnese Lilija Plugis	John and Annette
43	Aug. 23	Franciska Zbeig	John and Julia
44	Aug. 27	———— Poski	Stanley and Agnes
45	Aug. 31	Myrtle Evelyn Wackrow	John and Bernice
46	Aug. 8	Robert Shrigsby Allen	Mark and Ella
47	Oct. 7	Charles Edgar Bradley	Charles and Mary
48	July 16	Herbert Chandler Davidson	Leander and Grace

No.	Date	Name of Child	Name of Parents
49	Aug. 20	Norma Alice Burebee	Alfred and Daisy
50	Aug. 22	Harry Russell Kinney	Pearl and Lotta
51	Aug. 23	Barbara Frances Tufts	Scott and Rose
52	Aug. 23	Viola Ednora Murphy	Joseph and Eva
53	Aug. 28	Richard Ene'd Chatteaneuf	Michael and Mary
54	Aug. 29	Ruth Helen Thoresen	Thomas and Ruth
55	Sept. 2	Merrill Thoresen	Edwin and Helen
56	Sept. 4	Stillborn O'Brien	William and Helen
57	Oct. 8	James B. McGunnuss	James and Mary
58	Oct. 5	Emma Bertozzi	Eugene and Louisa
59	Oct. 22	No name Carr	Joseph and Mary
60	Oct. 30	Elizabeth Gertrude Brunelle	George and Katherine
61	Oct. 17	John David McNulty	John and Margaret
62	Oct. 20	Dorothy Mary Groure	Thomas and Marion
63	Nov. 17	Rita Murningham	Patrick and Jenneth
64	Nov. 23	Gertrude Alice Wright	Chester and Alice
65	Nov. 25	Maurice Booska	Adolphus and Agelina
66	Nov. 25	Voluntine Henry Rollins	Voluntine and Ada
67	Nov. 29	Barbara May Botsford	Harry and Annie
68	Dec. 12	Raphael Joseph Baroni	Daniel and Mary
69	Dec. 14	Leon Reuben Seigal	Max and Stella
70	Dec. 14	David Connie Peez	David and Anna
71	Dec. 28	Miriam Agnes Shaloo	Martin and Agnes
72	Dec. 29	Marguerite Downing	Frank and Margaret
73	Dec. 11	Geneveive Esther Olson	Harry and Jennie

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Births Not Reported Until 1918

1902			
45	Feb. 23	Ernest Arthur Moran	James and Esther
46	July 22	Alice Mildred Walker	Christopher and Annie
1915			
57	Mar. 6	Elizabeth Weston	Victor and Mary
1916			
68	June 2	Edward Lee Spaulding	Leroy and Edith
1917			
78	Feb. 21	Elizabeth McCarthy	Timothy and Mary
79	May 8	Ruth Pollard Crooker	William and Annie
80	June 15	Alice Wilson Peez	David and Anna
81	Aug. 5	Frederick Henry Murray	George and Margaret
82	Aug. 19	Laverne Mabel Rogers	Clarence and Marion
83	Oct. 2	Martin Lydon	Martin and Frances
84	Nov. 26	Mona Buckle	George and Grace
85	Dec. 18	Marion Kenn	Joseph and Dorothy
86	Dec. 26	Ruth Esther Hannon	Fred and Esther
87	Dec. 27	Gordon Horne	Urban and Frances

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MARRIAGES RECORDED IN BILLERICA DURING 1918

No.	Date	Name	Residence
1	Jan. 19	William Daniel O'Brien Laura Myrtle Elliott	West Billerica Cambridge
2	Feb. 2	Charles E. Pettis Anna Victoria Heggstrom	North Billerica Lowell
3	Feb. 5	Harold E. Tivey Harriett Porter	North Billerica Lowell
4	Feb. 7	George Hennessey Lottie Hill	North Billerica North Billerica
5	Mar. 20	Frederick Guy Baldwin Alice Sylvia Morris	Boston Billerica
6	Apr. 3	Thomas Patrick Jordan Amy Crowley	Washington, D. C. Billerica
7	Apr. 3	Carleton LeRoy Feener Isabel Mae Holt	Newton Billerica
8	Mar. 2	William Albert Somers Carrie Eliza Drew	Billerica Concord, N. H.
9	Apr. 7	Elwyn J. Webster Grace Dorothy Johnson	Lynn Watertown
10	Apr. 10	Everett James Tandy Rose J. Bailey	North Billerica North Billerica
11	Apr. 27	Oscar E. Dick Lucy Megow	Billerica Billerica
12	Apr. 30	Charles Edwin Rolfe Bertha May Barker	Lowell Billerica
13	June 8	Arthur F. Hammond Anna Wozencroft	North Billerica North Billerica
14	June 13	Harrison McKinley Rainie Alice Bateson	North Billerica North Billerica
15	June 13	Harold Joseph Coe Clara Louise Jennings	Belmont Cambridge
16	June 17	Charles Peverill Lillian M. Bell	Lowell North Billerica
17	June 24	Franklin Chester Jones Susie May Campbell	North Billerica Lowell
18	June 26	Joseph D. Sullivan Vera M. Hessian	North Billerica Lowell
19	June 29	Byron H. Murphy Doris C. Leavitt	Somerville Billerica
20	July 3	Henry F. McKay Anna M. Terris	North Billerica Lowell
21	July 24	John Thomas Brown Mildred Christine Degerhordt	North Billerica Lawrence
22	Aug. 26	Michael Joseph McMahon Katie Murtha	Lowell North Billerica
23	Aug. 21	John Thomas King Clara Ellen Wain	North Billerica North Billerica
24	Sept. 1	Wycliffe Macleod Alice Hayman	Billerica Billerica

No.	Date	Name	Residence
25	Sept. 1	William A. Brodeur	North Billerica
		Helene Laplante	Lowell
26	Aug. 26	Bela T. Wass	Cherryfield, Me.
		Katrina Harding Bryant	Billerica
27	Sept. 4	Edward M. Quinn	Lowell
		Florence L. Mahoney	North Billerica
28	Sept. 4	Frank J. McDermott	Billerica
		Flora Wass	Billerica
29	Sept. 7	Luke A. Woodbury	Lowell
		Hildegarde L. Perry	North Billerica
30	Sept. 10	John Francis Teevan	Quincy
		Marian Hawes Welts	Billerica
31	Aug. 9	Edwin P. Simpson	North Billerica
		Agnes Morgan Campbell	Lowell
32	Sept. 1	Manuel S. Trombas	Burlington
		Maria P. Barros	Burlington
33	Sept. 5	Joseph Heath	Billerica
		Annie M. Alvord (Hopkins)	Billerica
34	Aug. 7	Joseph W. G. Poirier	North Billerica
		Lillie M. Dionne	Nashua, N. H.
35	Sept. 14	Charles E. Evans	Cambridge
		Marie Anna Kampersol	North Billerica
36	Sept. 24	William A. Sheehan	North Billerica
		Albina Sheehan	North Billerica
37	Sept. 30	Albert Lewis Weston	Billerica
		Elnetta Elliott	Lynn
38	Oct. 9	David Cyril Martin	Lowell
		Catherine Elizabeth White	North Billerica
39	Oct. 17	Edward Joshua Murphy	Lawrence
		Emma Isabella Whitney	Lowell
40.	Oct. 3	Francis James Lawrence	North Billerica
		Caroline Bell Holmes	North Billerica
41	Nov. 24	Alfred Ray Newell	Billerica
		Althea Gladys Bowen	Billerica
42	Dec. 12	Henry Ray Hammond	North Billerica
		Edith Maud Estabrook	Lowell
43	Dec. 16	Chester Bailey Ketchen	Billerica
		Gertrude Emma Masher	East Boston
44	Dec. 18	Merton Henry Tatham	North Billerica
		Alida Phillips Sherman	North Billerica
45	Dec. 19	Frederick Boyd	Lowell
		Marinda Elizabeth Pearl Bachelder	Lowell

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DEATHS RECORDED IN BILLERICA DURING 1918

No.	Date	Name	Yrs.	Mths.	Dys.
1	Jan. 4	Hazel Harrison	38	—	—
2	Jan. 16	Rhoda Ann Eaton	77	—	—
3	Jan. 17	Charles C. Purdie	84	2	3
4	Jan. 21	Ann Hegson	66	8	—
5	Jan. 23	Bernard Kearney	85	—	—
6	Jan. 29	Selina A. Holt	57	5	26
7	Feb. 12	Esther M. Lewis	—	—	6
8	Feb. 15	Emma C. Parker	39	4	—
9	Feb. 16	Henrietta Baril	19	2	1
10	Feb. 24	Jeremiah Donovan	80	—	—
11	Feb. 24	Steven C. Boyle	—	—	7
12	Jan. 11	Philip Knoettner	—	9	—
13	Feb. 18	Nicolo Woudagnini	40	—	—
14	Feb. 1	Kenneth M. Sweeney	23	8	25
15	Mar. 22	Stillborn Wain	—	—	—
16	Mar. 27	John H. Miller	49	—	—
17	Mar. 28	Francis Poirier	—	3	27
18	Apr. 3	No name Rogers	—	—	2
19	Apr. 9	Walter H. Sutcliffe	55	4	—
20	Apr. 10	Rita Gustine Bourque	—	—	1
21	Apr. 11	Sarah Agnes Lynch	62	—	—
22	Mar. 21	Martha F. Page	45	7	14
23	May 2	William Louis Tarr	—	9	20
24	May 9	Luke Miskella	40	—	—
25	May 19	No name Atherton	—	—	—
26	May 23	James J. Murphy	46	—	—
27	May 24	Ruth S. Cousins	9	11	2
28	June 4	Judith W. Fisk	89	11	26
29	July 14	Edwin T. Johnson	17	7	28
30	July 17	Michael Healey	52	—	—
31	July 18	Olive Gullage	52	7	22
32	July 20	Michelina Adlis	35	—	—
33	July 17	Joshua B. King	4	11	—
34	Aug. 6	Stillborn O'Connor	—	—	—
35	Aug. 17	Annie Weston	44	2	13
36	Aug. 14	George Henry Etsell	—	11	9
37	Aug. 21	George F. Colburn	74	—	12
38	Aug. 24	Franciska Zbeig	—	—	1
39	Aug. 26	Augusta M. Anderson	80	9	26
40	Aug. 27	Thomas Duxbury	69	—	3
41	Aug. 20	Karl Hubner	35	—	—
42	Sept. 8	Mary C. Tupper	69	6	11
43	Sept. 15	Daniel L. Collins	26	7	29
44	Sept. 20	Louise A. Shaw	15	—	—
45	Sept. 20	James Markunas	39	—	—
46	Sept. 25	Edward Hayes	34	—	—
47	Sept. 28	Helen Margaret Thoresen	19	7	5

No.	Date	Name	Yrs.	Mths.	Dys.
48	Sept. 4	No name O'Brien	—	—	—
49	Oct. 2	Estelle May Hume	35	—	—
50	Oct. 4	Annie May Heath	49	—	—
51	Oct. 6	Jennie M. Simpson	46	—	—
52	Oct. 6	John F. Cleigh	46	—	—
53	Oct. 9	George S. Kenney	25	8	27
54	Oct. 10	Margaret A. Gannon	39	—	—
55	Oct. 21	Ellen Parkinson	66	—	—
56	Oct. 22	———— Carr	—	—	2 hrs.
57	Oct. 28	Michael Chudoba	42	—	—
58	Oct. 29	Joseph G. Richardson	74	3	15
59	Oct. 29	Irene Rita Fairbrother	18	4	9
60	Oct. 29	George F. Mahoney	13	10	3
61	Oct. 11	John H. Brown	74	—	—
62	Oct. 14	Ora Decatur	65	—	—
63	Nov. 4	Fred Soulia	50	—	—
64	Nov. 7	Isabella J. Benson	62	2	—
65	Nov. 27	Arthur Liddell	20	10	27
66	Nov. 30	Amelia Kuminski	30	—	—
67	Nov. 29	Stillborn Fountain	—	—	—
68	Nov. 29	Rose Fountain	25	—	—
69	Nov. 20	Helen E. O'Brien	34	—	—
70	Oct. 7	Myra T. Lohnes	50	—	24
71	Nov. 28	Leroy Douglas	32	—	—
72	Dec. 15	Mary A. Murphy	44	—	—
73	Dec. 16	Herbert L. Peterkin	19	8	12
74	Dec. 17	Catherine Matthews	24	—	—
75	Dec. 19	Eda Loranger	27	3	22
76	Dec. 26	William Alfred Stivers	43	3	6
77	Dec. 29	Stephen J. Vesnowski	18	—	—

BURIALS IN BILLERICA, NON-RESIDENTS, DURING 1918

No.	Date	Name	Yrs.	Mths.	Dys.
1	Feb. 2	Albert C. Lane	65	2	3
2	Feb. 4	Harriett G. Wilson	78	10	26
3	Apr. 9	Margaret Thorley	42	1	8
4	June 1	John McPhee	52	—	—
5	June 14	Elizabeth Canning	78	—	12
6	June 29	Angeline Cann	60	8	21
7	July 8	Mary Ann Latham	69	6	20
8	Aug. 4	Warren L. Floyd	82	6	—
9	Aug. 14	Elizabeth Mahoney	56	—	—
10	Aug. 28	Dudley Hartford	78	3	10
11	Oct. 7	Robert L. Fiske	22	—	—
12	Oct. 24	Herbert Edward Smith	32	7	26
13	Dec. 12	Mary P. Patten	79	—	7
14	Dec. 28	Stephen W. Stackpole	54	6	6

ALBERT S. BULL,
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PERSONS HAVING DOGS LICENSED DURING THE YEAR 1918

1	Lillie Bottomley	48	Mrs. I. J. Benson
2	John A. Richardson	49	Edward O'Connor
3	Mrs. Mary F. O'Keefe	50	Mike Moulton
4	Victor J. H. Belle-Isle	51	Edward R. Costello
5	Victor J. H. Belle-Isle	52	S. Percy Beard
6	Joseph Boucher	53	Fuller Bros.
7	Mrs. Susan Dugan	54	Dorothy Hayes
8	H. J. Wickstrom	55	Mrs. F. P. DeLorey
9	Mrs. George Loucraft	56	Mrs. F. P. DeLorey
10	Theodore Faulcon	57	Mrs. Harry Watts
11	J. B. Nicholson	58	Frank L. Day
12	J. B. Nicholson	59	A. C. Woodward
13	Truman G. Messer	60	O. D. Messenger
14	Michael J. McElligott	61	George H. Moy
15	T. A. Crosby	62	George H. Moy
16	John P. Davison	63	Frank Alexander
17	John P. Davison	64	Maetta Kearney
18	Gertrude Ingram	65	Fannie M. Blanchard
19	Ralph Dodge	66	Irma Ohlson
20	Mrs. C. A. Schult	67	Ora Bohannon
21	James J. White	68	George D. Cox
22	Leslie Peavey	69	Florence Shed
23	Ettie Fralick	70	J. Hardwick
24	Charles Carlson	71	Geo. Albert Chandler
25	Grace Biggerstaff	72	Forrest E. Pooler
26	Archibald Mason	73	Warren C. Shedd
27	Frederick Mason	74	James J. Campbell
28	Harvey P. Brown	75	Rev. David J. Murphy
29	Arthur Hallenborg	76	Richard Conway
30	Robert Spencer	77	Hector Patnaude
31	D. W. Sanborn	78	P. B. Kirschner
32	P. F. Holden	79	Herbert Hosmer
33	P. F. Holden	80	Thomas T. Clark
34	Charles Baisley	81	Mrs. F. L. Gleason
35	Charles V. Scott	82	Mrs. F. L. Gleason
36	M. Cecile Manning	83	Willard Simpson
37	John W. Stott	84	Edward R. Jones
38	Clyde Winslow	85	Mrs. C. L. Page
39	Thomas Collins	86	C. W. Flanders, Jr.
40	W. A. Savage	87	Evelyn McDermott
41	John Donovan	88	Edith H. Emerson
42	Walter B. Hurd	89	Edith H. Emerson
43	Lucy Kay	90	Edith H. Emerson
44	Everett L. Hawes	91	Edith H. Emerson
45	Clarence Bowman	92	Edith H. Emerson
46	Howard Simonds	93	Burton O. Sanford
47	Albert Berger	94	C. F. Pillsbury

95	Louis Crosby	142	Henry Hutchins
96	Ora S. Decatur	143	L. F. Willard
97	Frank Lundgren	144	Thomas Sullivan
98	Wm. H. Gannon	145	George Dimock
99	Abram Flint	146	J. S. W. Poirier
100	M. F. Kennelly	147	V. O. Martin
101	Oscar Bicknell	148	Dr. M. A. Buck
102	Henry R. Johnson	149	C. H. Martindale
103	J. Frank Mullen	150	Frank Wistowicz
104	Edith M. Spaulding	151	R. Harmston
105	Edwin S. Stevens	152	Mrs. George L. Fish
106	J. J. Brown	153	Mrs. George L. Fish
107	Fred R. Lewis	154	Mrs. Alma L. Skane
108	W. T. Merryweather	155	A. Lakeman
109	John A. Crow	156	Michael J. Gill
110	John A. Crow	157	Royal Holden
111	Henry Bowman	158	Royal Holden
112	Arthur O'Toole	159	August Elfstrom
113	William Hurley	160	Walter S. Pierce
114	Charles E. Nutall	161	Mary Pierce
115	John Downing	162	H. B. Richardson
116	William J. Kelly	163	Mrs. C. H. Morley
117	Edward C. Fogg	164	Mrs. C. H. Morley
118	Edward C. Fogg	165	Percy Livingston
119	Alexander McCullah	166	Richard J. Connell
120	Abner W. Philips	167	Charles Canning
121	B. P. Lohnes	168	G. E. Spaulding
122	W. H. Nason	169	Melvin Morris
123	Alice Bateson	170	Mrs. J. B. Robinson
124	Isaac Hopkinson	171	Fred A. Barton
125	P. Rimshan	172	N. A. McMillan
126	John Dewhurst	173	J. B. Holden
127	Gladys E. H. Hosmer	174	John Bell
128	William A. Marston	175	D. J. Mahoney
129	Michael B. Hayes	176	Frederick H. Stearns
130	George Gadbois	177	Oscar E. Dick
131	Philip Dolan	178	William F. Megow
132	Mary E. Farmer	179	Caleb Jenkins
133	Victor Nagelin	180	Maud Elwood
134	Stanley Ivaskeviev	181	L. Reynolds
135	Edith Rule	182	Frank C. Lloyd
136	W. Harry Smith	183	
137	Ernest E. Drew	184	O. D. Messenger
138	Joseph Stankievicz	185	O. D. Messenger
139	Joseph Stankievicz	186	Joseph Letendre
140	George P. Greenwood	187	A. V. Lloyd
141	William Brodeur	188	Mrs. Joseph Hamelin

ALBERT S. BULL,

Town Clerk.

REPORT OF FIRE ENGINEERS

To the Honorable Board of Selectmen:

Gentlemen:— We herewith submit our annual report for the year 1918.

There has been a decided improvement in the Fire Service this year. On completion of the new Fire Station at the Centre, Mr. T. F. Lyons requested the removal of the fire alarm box which has been located in the Telephone Office, and which has been operated under his direction since the new system was installed December 15, 1915. An agreement was made with Mr. Lyons, as he did not wish to assume any responsibility as to wrong alarms, that he would not accept any compensation, and he reserved the right to request removal at any time.

The Board of Engineers take this opportunity to express their thanks to Mr. Lyons and his operators for their co-operation and efficient service in assisting us to establish the new system.

We consulted the Board of Selectmen and Finance Committee and decided to place the fire alarm system in the new station. This required a man on duty day and night. On August 15th, Mr. Edward Thommen went on duty as a permanent man to have the care of the station and equipment and drive the truck, he to have one hour three times a day for meals and twenty-four hours off duty, in every five days, at a salary of \$1200.00 per year.

In order to keep within the appropriation, if possible, Chief E. N. Bartlett volunteered to stay in the station during meal hours and on his days off as much as possible without extra compensation for the balance of the year.

We think the Town was very fortunate in securing the services of Mr. Thommen, and later upon his resignation, the services of Mr. Gustaf A. Shult as driver, both these men being trained firemen and were also experienced mechanics it was through their efforts that the truck was ready at all times for immediate service and saved the Town many dollars by making their own repairs.

In case of fire in any part of the town telephone the Fire Station, 22-5; the man on duty will send out the box number, the fire truck with the Chief and driver will respond immediately leaving the Chief's car in the station to be used by the call men to reach the fire.

The call men at the Centre are not required to respond to first alarm fires in the North Billerica district, but do respond on second alarms.

It has been demonstrated many times that the system and equipment at the Centre have been the means of saving much valuable property.

The North Billerica Company is still depending on call horses to haul the apparatus which is very unsatisfactory. Twice in December no horses responded to the alarm and the men were obliged to walk to the fire.

The fire truck from the Centre responds to all building fires in North Billerica but depend on their men to handle the equipment and as the

truck reaches the fire many minutes before the horse drawn wagon it makes us short of men when we need them most.

The North Billerica Company have an article in the warrant this year asking for funds to purchase a motor fire truck. If such a truck is purchased much better service can be rendered to all parts of the Town with a further reduction of men in both companies.

Each company was reduced from sixteen to eleven men last year.

Twice this year we were obliged to call on outside help for fires, not for men but for equipment which was on their motor trucks such as pumps, hose, and chemicals.

We believe another first class truck should be added to the department.

The change of the fire alarm system and the removal of the equipment with the necessary additions from the old station to the new station and big increase in fires during the past year is responsible for an overdraft, the first this department has had for several years.

Following is a record of the fire service for the year:

The department responded to 100 alarms during the year.

Laid 11,110 feet of hose.

Raised 715 feet of ladders.

Used 6 tanks of chemical from the auto truck.

Pumped 15 1-2 hours actual fire duty.

Traveled 600.7 miles.

Went out of town 4 times for fire service.

Men worked 200 1-2 hours actual fire duty.

Requested and received the services of one truck from the Lowell Fire Department, also the truck from the Tewksbury Department on May 8th, at the big East Billerica fire.

On May 20th, at the big Pinchurst fire one motor pumping engine from the Woburn Fire Department, two from the Lexington Fire Department and one Combination from the Bedford Fire Department responded to a call from this department and rendered excellent service.

Alarm divided as follows:

Bell alarms, 87; Still alarms, 12; False alarms, 1; Total 100 alarms.

37 of these alarms were for buildings and automobiles.

53 were for brush or grass fires.

2 were for rescue.

1 was for accident.

3 were for drill.

4 were out of town calls.

Total value of property at risk (excluding brush or grass fires) and upon which there was a loss	\$58,150.00
Total damage to same	\$35,741.00

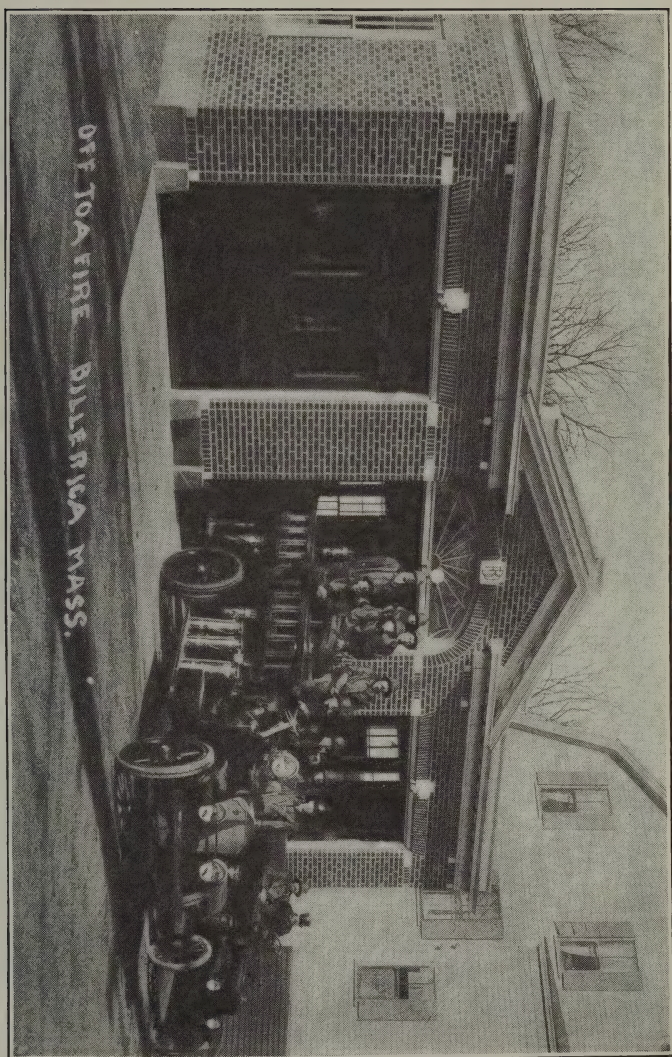
LIST OF FIRES

Jan. 21. Box 12, 12.20 p. m. Store owned by J. F. Bruce and occupied by H. G. Watts & Co. Cause, oilstove explosion. Damage, \$107.55. Engine No. 2 responded.

Jan. 27. Box 15, 6.50 p. m. Camp owned by G. A. Stevens. Cause, overheated stove. Damage, \$800.00. Engine No. 2 responded.

- Jan. 31. Box 21, 2.30 p. m. House occupied by L. A. Macomber. Cause, defective heater. Damage, \$50.00. Engine No. 1 and No. 1 responded.
- Feb. 5. Box 21, 9.35 p. m. Tool house owned by B. & M. R. R. Cause, overheated stove. Damage, \$250.00. Engines No. 1 and No. 2 responded.
- Feb. 11. Box 5, 1.30 p. m. Test of pump on truck.
- Feb. 16. Still alarm, 9.50 a. m. House owned by P. B. Kirschner. Cause, stove too close to floor. Damage \$5.00. Engine No. 2 responded.
- Feb. 25. Still alarm, 10.15 a. m. House occupied by F. A. Casey. Cause, defective stove. No damage. Chief responded.
- Mar. 8. Still alarm, 6.45 a. m. Flag shanty. Chimney fire. No damage. Chief responded.
- Mar. 13. Box 16, 10.40 a. m. House owned by William Pasho. Cause, Chimney fire. No damage. Engine No. 2 responded.
- Mar. 18. Box 13, 8.35 a. m. Chimney fire. Shey Estate. No damage. Engines No. 1 and No. 1 responded.
- Mar. 23. Box 13, 10.50 p. m. House occupied by A. Flint. Cause, defective chimney. Damage, \$150.00. Engines No. 1 and No. 2 responded.
- Mar. 24. Still alarm, 5 p. m. Brush fire Colson Estate. No damage. Engine No. 2 responded.
- Mar. 27. Box 13, 10.45 a. m. Brush fire off Chestnut street. No damage. Engines No. 1 and No. 2 responded.
- Mar. 27. Box 4, 12.45 p. m. Drill Engine No. 1.
- Mar. 30. Box 41, 5.30 p. m. Brush fire, Ranlet Grove. No damage. Engine No. 2 responded.
- April 1. Box 41, 3.05 p. m. Brush fire, Town of Bedford. Engine No. 2 responded.
- April 1. Box 12, 3.45 p. m. Grass fire on Andover street. No damage. Engine No. 2 responded.
- April 1. Box 13, 4.10 p. m. Brush fire on Walnut street. No damage. Engines No. 1 and No. 2 responded.
- April 3. Box 45, 2.03 p. m. House occupied by W. J. Fermoyle. Cause, chimney fire. No damage. Engine No. 2 responded.
- April 3. Box 123, 6.20 p. m. False alarm. Engines No. 1 and No. 2 responded.
- April 5. Box 65, 4.55 p. m. Brush fire. Engine No. 2 responded.
- April 6. Box 41, 3.15 p. m. Grass fire. Engine No. 2 responded.
- April 6. Box 45, 5.20 p. m. Brush fire. Engine No. 2 responded.
- April 6. Box 58, 4 p. m. Brush fire. Engine No. 1 responded.
- April 7. Box 218, 12.15 p. m. Brush fire. Engine No. 2 responded.
- April 8. Box 45, 8.50 p. m. Grass fire. Engine No. 2 responded.
- April 17. Box 121, 3.40 p. m. Brush fire. Engine No. 1 responded.
- April 19. Still alarm, 8.05 a. m. Chimney fire, Dr. A. C. Lane Estate. No damage. Engine No. 2 responded.
- April 22. Box 116, 11.30 p. m. House owned by Tony Indilla, Oak street. Cause, unknown. Total loss \$2800.00. House owned by Joe Cordia caught fire from Indilla fire. Damage \$1364.45. Engine No. 2 pumped 2 1-4 hours; Engine No. 1 also responded.
- April 23. Box 613, 11.20 a. m. Brush fire. Engine No. 2 responded.
- April 23. Box 61, 7.10 p. m. Brush fire. Engine No. 2 responded.

- April 24. Still alarm, 6 p. m. Accident, Night Cart broken, contents spilled on street. Engine No. 2 responded to flush street.
- April 25. Box 613, 4.45 p. m. Brush fire. Engine No. 2 laid 850 feet hose and pumped 3-4 of an hour.
- April 26. Box 121, 2.20 p. m. Grass fire. Engine No. 1 responded.
- April 26. Box 123, 4.50 p. m. Brush fire. Engine No. 1 responded.
- April 26. Box 119. Brush fire. Engines No. 1 and No. 2 responded.
- May 3. Box 123, 8.45 p. m. Brush fire. Engine No. 1 responded.
- May 4. Box 215, 40 p. m. Grass fire. Engine No. 2 responded.
- May 4. Box 31, 6.30 p. m. Brush fire. Engine No. 2 responded.
- May 5. Box 613, 4 p. m. 2nd alarm 5 p. m. Brush fire, Page's Corner. Engines No. 1 and No. 2 responded. Engine No. 2 laid 500 feet hose and pumped 1 hour to protect buildings.
- May 6. Box 218, 11.05 a. m. House owned by Mars S. Duffy. Cause, unknown. Damage \$2600.00. Engine No. 2 laid 350 feet hose and pumped 2 hours.
- May 6. Box 613, 1.05 p. m. Brush fire. Engine No. 1 responded.
- May 6. Box 116, 1.30 a. m. Town of Tewksbury, blacksmith shop. Engines No. 1 and No. 2 responded.
- May 7. Box 613, 10.20 a. m. Brush fire. Engine No. 2 responded.
- May 8. Box 613, 1.30 p. m. Brush fire. Engine No. 2 responded.
- May 8. Box 321, 3.45 p. m. 2nd alarm 3.50 p. m. Brush fire started at Car Shops burned 575 acres. Damage \$1800.00. This fire endangered several houses. Engines No. 1 and No. 2 responded: laid and used 3000 feet of hose, pumped 1 1-2 hours. Lowell and Tewksbury each sent us one fire truck.
- May 9. Box 321, 12.20 p. m. Brush fire (same fire). Engines No. 1 and No. 2 responded.
- May 9. Box 28, 12.40 p. m. Brush fire. Engine No. 2 responded.
- May 9. Box 65, 2.55 p. m. Brush fire. Engine No. 2 responded.
- May 9. Box 4, 9 p. m. Engine No. 1 called to search Concord river for a body.
- May 10. Box 612, 2.30 p. m. Brush fire. Engine No. 2 responded.
- May 10. Box 613, 4 p. m. Brush fire. Engine No. 2 responded.
- May 11. Box 45, 6-10 p. m. Brush fire. Engine No. 2 responded.
- May 12. Box 161, 1.30 p. m. Brush fire. Engines No. 1 and No. 2 responded.
- May 12. Box 219, 2.15 p. m. Brush fire. Engine No. 2 responded.
- May 16. Box 219, 12.05 p. m. Brush fire. Engine No. 2 responded.
- May 18. Box 119, 9.30 a. m. Brush fire. Engine No. 1 responded.
- May 18. Box 58, 4.55 p. m. Brush fire. Engines No. 1 and No. 2 responded.
- May 18. Box 58, 10.15 p. m. Brush fire. Engines No. 1 and No. 2 responded.
- May 19. Box 219, 9.15 a. m. Brush fire. Engine No. 2 responded.
- May 19. Box 214, 6 p. m. Brush fire. Engine No. 2 responded.
- May 20. Box 213, 1.50 a. m. House and barn owned by J. J. Hurley. Cause, unknown. Damage \$13,500.00. Engine No. 2 responded.
- May 20. Box 234, 9.25 a. m. Brush fire. Engine No. 2 responded.
- May 20. Box 4, 1.10 p. m. Engine No. 1 sent to Pinchurst to patrol.
- May 20. Boxes 215 and 218, 3 p. m. Brush fire at Pinchurst. This proved to be a serious fire and endangered the whole of the Pine-



OFF TO A FIRE BILLERICA MASS.

hurst section. One cottage was burned. Laid 2000 feet of hose and pumped 4 hours. Bedford, Woburn and Lexington responded to our call for fire apparatus.

- May 21. Box 5, 7 p. m. Engine No. 2 called to wet down the Hurley fire.
- May 23. Box 218, 5.05 p. m. Brush fire. Engine No. 2 responded, laid 750 feet hose and pumper 1 1-2 hours.
- May 24. Box 218, 1.15 a. m. Camp at Pinehurst Manor. Total loss. Engine No. 2 responded.
- May 24. Box 218, 11.45 a. m. Brush fire. Engine No. 2 responded.
- May 24. Box 4, 1 p. m. Engine No. 1 sent to Pinehurst for patrol.
- June 8. Still alarm, 12.30 p. m. Chimney fire in house occupied by R. D. Kingsley. No damage. Engine No. 1 responded.
- June 16. Box 218, 2.10 p. m. Brush fire. Engine No. 2 responded.
- June 18. Box 219, 8.40 a. m. House owned by Percy Beard. Damage, \$100.00. Engine No. 2 responded.
- July 10. Box 613, 5.20 p. m. Auto truck owned by A. J. Carroll, Reading. Damage \$2100. Engine No. 2 responded.
- July 20. Box 32, 10.40 p. m. Brush fire. Engine No. 2 responded.
- July 26. Box 613, 9.20 p. m. Automobile owned by Howard Sexton. Engine No. 2 responded.
- July 29. Box 58, 6.15 p. m. Brush fire. Engines No. 1 and No. 2 responded.
- July 30. Box 65, 8 a. m. Brush fire. Over line in Tewksbury. Engine No. 2 responded.
- July 30. Box 58, 12 m. Brush fire. Engine No. 1 responded.
- Aug. 4. Box 45, 5.40 p. m. Automobile owned by Capt. Hosmer. Damage slight. Engine No. 2 responded.
- Aug. 6. Box 216, 3 a. m. House owned by Drethy Kenn. Cause unknown. Total loss. Engine No. 2 responded.
- Aug. 13. Boxes 4 and 5, 6.50 p. m. Entire Department called to assist in Mrs. Johnson lost in woods.
- Aug. 14. Box 613, 11.15 p. m. Automobile fire. Engine No. 2 called. Could not locate.
- Aug. 19. Still alarm, 4.05 p. m. Fence at Pollard School. Cause, burning rubbish. No damage. Engine No. 2 responded.
- Sept. 25. Box 218, 12.25 a. m. Camp owned by W. C. Pierce at Pinehurst Annex. Total loss. Engine No. 2 responded.
- Oct. 13. Box 5, 2.40 a. m. Church and Town Hall, Town of Tewksbury. Engine No. 2 responded.
- Oct. 22. Box 114, 12.40 p. m. Chimney fire, Bottomly Estate. No damage. Engines No. 1 and No. 2 responded.
- Oct. 26. Box 29, 3.50 a. m. House owned by P. F. Holden. Cause, electric wires. Damage, \$3055.00. Engine No. 2 responded.
- Nov. 2. Box 121, 12.25 p. m. Grass fire. Engine No. 1 and No. 2 responded.
- Nov. 13. Still alarm, 11.25 a. m. House occupied by C. Crosby. Cause, cement used for roofing catching fire. Damage, \$50.00. Chief responded.
- Nov. 30. Still alarm, 5 p. m. Grass fire, Mitchell School. Chief responded.
- Dec. 1. Box 41, 10.55 a. m. Brush fire. Engine 2 responded.
- Dec. 1. Box 23, 5.25 p. m. Stable occupied by H. G. Watts & Co. No damage. Engine No. 2 responded.

- Dec. 9. Box 14, 1.40 p. m. House owned by Fred Wain. Cause searching closet with lighted match. Damage \$2309.00. Engines No 1 and No. 2 responded.
- Dec. 10. Still alarm, 9.35 a. m. Chimney fire, R. R. Station, River street. No damage. Chief responded.
- Dec. 21. Box 19, 8.50 p. m. Chimney fire, house occupied by H. Lieutenant. No damage. Engine No. 2 responded.
- Dec. 27. Still alarm, 4.30 p. m. Automobile owned by Stavros Kyriacopoulos. Damage, \$950.00. Engine No. 2 responded.
- Dec. 28. Box 123, 9.30 p. m. Unfinished camp, Walnut street. Cause, unknown. Damage slight. Engines No. 1 and No. 2 responded.

BOARD OF ENGINEERS

E. N. Bartlett, Chief.

W. B. Chambers, Asst.

REPORT OF OVERSEERS OF THE POOR

To the Honorable Board of Selectmen and Citizens:

Gentlemen:—In compliance with your wishes the Overseers of the Poor herewith respectively submit their annual report for the fiscal year closing December 31, 1918.

The work of the department is ever increasing in scope and importance. While the number of families receiving relief does not always grow from one year to another, yet during recent years expenses seem to be increasing from year to year due to one cause or another, but chiefly due to the fact that deeper social interest is being taken in each family assisted, which naturally results in a clearer conception of conditions as they really are, and our eyes are made to behold the necessity for the provision of more adequate relief than ever before in the history of public outdoor relief.

The Home Farm during the past year has cared for five inmates, four of which are there at present. One death from extreme old age.

According to the recommendation of the State Board of Charity April 6, 1918, four bedrooms and hallway upstairs was laid with hardwood and polished at a cost of \$253.00. With those added repairs sanitary conditions in the men's department are made perfect, and without danger of contradiction we dare state that the Billerica Home as it stands today is second to none and on a par with any similar institution in the State.

By careful management and increased activities on the part of our Superintendent and Matron for twelve months our expenditure has been \$4,263.16, sales of farm product \$4,363.81, which leaves \$100.15. As there is a bill for brewery grain, that failed to come to hand in time, of \$565.25, the net expenditure for twelve months is \$4,641.55. When we consider the extreme cost of repairs and increased cost of commodities and the substantial revenue realized, it is indeed commendable to the present management at the Home Farm.

Outside Partial Support

There has been no material changes in the partially supported during the past twelve months. Although the amount of aid given has been slightly greater, which was made necessary because of the increased living expenditures, the total amount expended under this head for one year has been \$1342.85, distributed as follows: Billerica relief \$967.83, State \$187.02, Cities \$188.00; the latter are reimbursed.

Mothers' Relief, Chapter 763, Acts of 1913.

The Mother's Aid cases continue to receive close attention and careful treatment at the hands of both Town and State supervising officials. There has been no particular changes during the past year although indications point toward new increases. On account of negligence of an outside city a bill for over three hundred dollars belated from 1917 makes the increase over the regular amount for Mothers' Relief. The total expended has been \$2001.94. Billerica's share was \$884.83, State \$1117.11, for which we receive reimbursement.

Appraisal Personal Property at Home Farm Dec. 7, 1918.

One pair bay horses	\$ 500.00
14 cows, 5 heifers, 1 bull	1,610.00
Ensilage, hay, grain	956.40
Molasses	75.00
Manure	240.00
Harnesses, blankets, robes	90.00
30 fowl	34.00
Wood \$140.00, coal \$100.00	240.00
Farm implements and tools	400.00
3 hogs	100.00
Wagons, carts, sleds and pung	225.00
Vinegar casks, barrels, sashes	50.00
Vegetables, preserves, fruit	130.00
Groceries	25.00
House furnishings	500.00
Union safe	50.00
Gifts: Stella cabinet, hospital furniture, book case	
Appraisal Dec. 7, 1918	\$5,225.40
Appraisal Dec. 8, 1917	5,480.85
Decrease in valuation from 1917	\$ 255.45

RICHARD J. CONWAY
COBURN S. SMITH
WARREN HOLDEN

Overseers of the Poor.

POLICE REPORT

To the Honorable Board of Selectmen, Billerica, Mass.:

Gentlemen:—We herewith submit our annual report for the year ending December 31, 1918.

There have been ninety-two arrests for the following causes:

Assault with dangerous weapon	1
Assault and battery	6
Drunkenness	29
Insane	5
Larceny	17
For out of town officers	10
Truancy	1
Trespass	2
Stubborn child	1
Malicious mischief	2
Failure to file questionnaire	2
Violation of milk law	1
Manslaughter	1
Murder	2
Non-support	3
Persons detained	9

Disposal of Cases

Committed to Waverly	1
Committed to Danvers	1
Committed to Lowell Jail	6
Committed to Worcester Hospital	4
Committed to State Hospital	3
Committed to Lyman School	1
Committed to House of Correction	2
Fined	21
Delivered to out of town officers	10
Held for Grand Jury	3
Probation on payment of costs	8
Suspended sentence	4
Filed, released, probation	24
Placed on file on payment of costs	4

Miscellaneous

Inquest	4
Horses killed	2
Cases investigated without arrest	817
Delinquents notified for failure to file questionnaire at Local Board	52

Dogs killed	27
Stolen autos recovered for out of town officers	7
Value of property stolen	\$2,010.00
Value of property recovered	\$1,240.00

Respectfully submitted,

HENRY D. LIVINGSTON

WM. H. O'BRIEN

Police Officers.

REPORT OF BOARD OF ASSESSORS

Billerica, Mass., Jan. 1, 1919.

To the Selectmen of Billerica:

Gentlemen:

The Assessors of Billerica submit the following report for the year 1918:

Valuation of Town April 1, 1918	\$6,279,679.00
Valuation of Town April 1, 1917	6,025,041.00

Increase	\$ 254,638.00
Valuation of assessed real estate	\$5,036,868.00
Valuation of assessed personal estate	1,242,811.00

Excise tax, Bay State St. Ry. \$3,825.28

Excise tax, Middlesex & Boston St.

R. R. 511.98

Moth Tax \$561.70

Number of Horses assessed	315
Cows assessed	707
Neat cattle other than cows	169
Swine assessed	292
Fowls	5,976
Polls Assessed	1,209

Rate per \$1000, \$22.00.

Respectfully submitted,

WM. H. SEXTON

E. A. KING

Assessors.

REPORT OF THE HIGHWAY SURVEYOR

January 1, 1919.

To the Board of Selectmen and Citizens of Billerica:

I beg leave to submit the following report for the year 1918.

During the year the following roads were gravelled: High street for a distance of 1,000 feet in length, 10 feet in width; River street 2,000 feet in length, 15 feet in width; River Road 500 feet in length, 10 feet in width; West Billerica Road, beyond Symond's Corner and Chelmsford line, 3,500 feet in length, 10 feet in width; from corner of Manning Road to Henry Durant's 1,000 feet in length, 10 feet in width; Pollard street 800 feet in length, 20 feet in width; Turnpike 4,000 feet in length, 12 feet in width; Dudley Road 450 feet in length, 10 feet in width; Allen Road 1,000 feet in length, 10 feet in width; East Billerica Road one mile in length and 10 feet in width.

Roads in different parts of the Town were scraped and raked during the past year.

Roads Resurfaced

Pollard street from Fordway Bridge to Brown's corner was resurfaced twice during the year.

Brown's Corner to Red Bridge and from Red Bridge to Brown's Corner.

Roads Macadamized

Replacing and patching macadam roads in different parts of the Town; recapping 1500 feet on Concord road; building new macadam road a distance of 2200 feet from Sprague's bridge to Perry's corner.

Bridges

Placing new timbers and replanking Red Bridge on account of accident. Removing old Canal Bridge and placing culvert and refilling with stone and gravel. General repairs to all bridges where needed.

Sidewalks

Building 400 feet of gravelled sidewalk on Chadwick street. Building cement sidewalk from Talbot Mills to corner of Lowell street, 5 feet in width. The extreme cold weather of January and February of last year necessitated the constant plowing and sanding of sidewalks throughout the Town.

The expense of the Highway Department for the past year increased far beyond the expectations of the Surveyor. This was due to the increases in wages and high cost of all materials.

Respectfully submitted,

E. F. TWOMBLY,
Highway Surveyor.

20th ANNUAL REPORT

OF THE

WATER COMMISSIONERS

STOCK ON HAND JAN. 1, 1919.

Maintenance

143 tons of coal	\$2,212.21
40 gallons cylinder oil	22.80

Construction

1 10 x 8 in. Smith sleeve	59.50
17 service gate boxes	36.00
3 6 in. Ludlow gates	30.00
2 8 in. Ludlow gates	7.00
50 lbs. lead wool	16.00
200 lbs. lead	10.00
2 bales jute	10.00
Fittings	24.00
8 3-4 in. lead corp. complete	24.00
1 pump gasket	2.00
16 stop and waste (1 in. x 1 1-2 in.)	32.00
Repair parts for hydrants	25.00
252 ft. 6 in. pipe	
204 ft. 8 in. pipe	
72 ft. 10 in. pipe	
288 ft. 12 in. pipe	950.00
1 6 in. cross	4.50
5 gate boxes	25.00
6 6 in. sleeves	15.00
1 12 in. x 8 in. Ys	15.00
1 12 in. x 10 in. Ys	16.00
14 8 x 6 in. Ys	126.00
7 12 x 6 in. T	105.00
1 4 in. $\frac{1}{8}$ Bend	2.50
4 6 in. $\frac{1}{8}$ Bend	10.80
4 8 in. $\frac{1}{8}$ Bend	11.00
1 10 in. Sleeve	3.50
1 12 in. Sleeve	3.75
4 8 in. Plugs	2.00
3 10 in. Plugs	2.10
1 10 in. x 8 in. Reducer	3.56
1 6 in. Smith Sleeve, complete	25.00
2 8 in. Ludlow Gates	30.00
3 6 in. Kennedy Gates	27.00
3 Kennedy Hydrants	86.00
1 Ludlow Hydrant	35.00
	<hr/> \$3,985.22
4 meters	\$ 48.00
	<hr/> \$4,033.22

FINANCIAL STATISTICS

Receipts		Expenses	
A	Flat Rates\$ 25.00	CC	Total Main-
B	Meter Rates 10,122.41		tenance .....\$14,684.78
	<hr/>	DD	Interest 6,915.00
C	Total from con-	HH	Extension of
	sumers \$10,147.41		Mains 4,845.93
D	Public Buildings 201.49	II	Extension of
E	Guarantees 188.26		Meters 159.00
H	Sundries 376.75	LL	Additional
I	Service Piping .. 432.41		Wells. 630.72
J	Meters 248.25		<hr/>
	<hr/>		\$28,014.50
K	Total from con-		Appropriation for 1918 11,500.00
	sumers 1,245.67		Hydrants 4,125.00
	<hr/>		<hr/>
	\$11,594.57		\$15,625.00
			Maintenance Ex-
			penses .....\$14,684.78
			Service Piping 779.07
			Meters 159.00
			<hr/>
			\$15,622.85
			<hr/>
			Balance \$ 2.15
			Addition and ex-
			tensions balance 9,307.81
			<hr/>
			Expenses 4,845.93
			<hr/>
			Balance \$ 4,461.88
			Wells:
			Balance 1917 \$ 33.67
			Appropriation .. 1,044.03
			<hr/>
			Expenses 630.72
			<hr/>
			Balance \$ 446.98

PUMPING STATION RECORD

MONTHS	Days Pump in Operation	Time Pump in Operation		Average Per Day	Gallons Pumped	Average Per Day	Daily Consumption	Pounds of Coal Used		
		H.	M.					For Pumping	For Fire Protection	Total
January	31	586	0	H. M. 18 54	17,227,133	555,714	555,775	92,775	6,390	99,165
February	28	616	0	22 0	18,835,785	672,706	672,706	107,860	6,050	113,910
March	31	400	0	12 54	11,966,165	386,005	386,005	63,890	8,091	71,981
April	30	298	0	9 56	9,420,077	314,007	314,007	52,375	8,125	60,500
May	31	310	0	10 0	10,159,374	324,496	324,496	54,940	8,950	63,890
June	30	300	0	10 0	10,407,563	346,919	346,919	56,470	8,910	65,380
July	31	317	0	10 14	11,535,114	372,100	372,100	64,580	9,260	73,840
August	31	330	30	10 39	12,923,305	416,881	416,881	71,700	9,335	81,035
September	30	303	0	11 0	11,840,339	394,678	394,678	69,671	6,905	76,576
October	31	287	0	9 15	10,951,461	353,273	353,273	62,600	9,265	71,865
November	30	261	0	8 42	9,588,810	319,627	319,627	55,825	9,275	65,100
December	31	262	0	8 27	10,103,697	326,167	326,167	55,120	9,240	64,360
Total	365	4,270	30	139 01	128,958,823	4814,573	4814,573	797,806	99,796	897,602
Monthly averages	30.4	355	57	11 35	10,746,569	401,214	401,214	66,484	8,316	74,800

DESCRIPTION	Cost	Water Receipts 1918	% Cost
Construction as per 1909	\$92,837.36	\$6,285.95	5.4
High Street 1909	1,073.44	57.52	
High Street 1913-14 B. & M.	5,845.10	924.57	15.08
Pond Street 1909	1,401.83	18.06	1.28
Andover Street 1909	273.06	15.28	5.12
Call Street 1910	331.00	12.00	3.61
Blanchard Avenue	501.00	30.39	6.06
Higgins' 1912	223.53	12.00	5.37
Chelmsford 1912	2,443.00	86.67	3.55
Boston Road 1913	12,556.69	121.92	.96
Bedford Road 1913	12,990.45	139.23	1.07
Spring Street 1913	660.52	12.00	1.82
Wyman Road 1913	2,549.54	52.63	2.07
Allen Road 1913	596.72	12.00	2.18
Webb Brook Road 1915	437.50		
Twombly Road 1913	763.24	86.67	11.36
Arcadia Hillside and Allen	3,134.70	72.00	2.3
Hawes	223.05	18.00	8.07
Billerica Garden Suburb	2,059.55	112.87	5.4
Burnam Road	424.56	51.00	12.01
High Street—Coldwell	341.51	12.00	3.51
Colson Heights	192.85	21.72	11.26
McElligott	392.11	36.44	9.24
Bridge—Bartlett and Kemp	586.64		
Chadwick Street	764.37	113.65	14.9
Corthell Road No. 1	869.83	85.08	9.91
Wallace Road	53.30		
Corthell Road No. 2	437.27	6.00	1.37
Lowell Road	405.06	12.00	2.96
Billerica Ave.	2,429.86	71.51	2.94
Richardson and Whiting Streets	1,253.07	42.00	3.35
Railroad Street	194.15	16.68	8.59
Holt Street	575.44	142.57	26.06
Webb Brook Road 1915	537.50		
Allen Road 1915	763.62	12.00	1.57
Bridge and Bridle	901.62		
Lexington Road	1,338.51	51.98	3.9
Maple Street	514.11	12.00	2.33
Salem Road	459.16	12.00	2.61
Salem Road No. 2	233.31	12.00	5.
River View Ave.	1,021.85	54.00	5.
Town Farm Lane No. 2	545.73	53.44	9.68
Preston Street	142.84	12.00	8.4
Mason Ave. No. 2	496.21	42.36	8.5
Lexington Road No. 2	2,681.43	1,368.87	51.05
Chelmsford Road No. 2	682.11		
Walnut Street	917.38		
Hampstead Road	427.43		
Brentham Road	298.27		
Seven Oaks	394.72		

SUMMARY OF STATISTICS FOR THE YEAR ENDING DECEMBER 31, 1918.

Population by census 1915: 3,246.
 Date of construction: 1898.
 By whom owned: Town.
 Source of supply: Driven wells.
 Mode of supply: Pumping to standpipe.

1. Builders of pumping machinery: Barr Pumping Engine Co.
2. Description of fuel used:
 - a. Kind: Bituminous.
 - b. Brand of Coal: New River.
 - c. Average price of coal per gross ton, delivered: \$11.98.
3. Coal consumed for year: 897,602 lbs.; for pumping only 797,806 lbs.
4. Total pumpage for the year: 128,958,823 gallons, without allowance for slip.
5. Average static head against which pumps work: 299.52 feet.
6. Average dynamic head against which pumps work: 322.39.
7. Number of gallons pumped per pound of coal. For pumping only: 162.
8. Number of gallons pumped per pound of coal. Total coal used 156.
9. Cost of pumping figured on pumping station expenses: \$10,075.86.
10. Per million gallons pumped: \$78.25.

CONSTRUCTION ACCOUNT TO JAN. 1, 1918

Cost of works to Jan. 1, 1917		\$177,791.75
Expended from Jan. 1, 1917 to Jan. 1, 1918	\$ 7,208.41	
Material on hand Jan. 1, 1917	1,817.44	
	<hr/>	
	\$ 9,025.85	
Receipts from Jan. 1, 1917 to Jan. 1, 1918	\$ 1,142.82	
Material on hand Jan. 1, 1918	3,595.59	
	<hr/>	
	\$ 4,738.41	
		<hr/>
		\$ 4,287.44
		<hr/>
		\$182,079.19
Cost of works to Jan. 1, 1918		\$182,079.19
Expended from Jan. 1, 1918 to Jan. 1, 1919	\$ 6,414.72	
Material on hand Jan. 1, 1918	3,595.59	
	<hr/>	
	\$ 10,010.31	
Receipts from Jan. 1, 1918 to Jan. 1, 1919	\$ 682.66	
Material on hand Jan. 1, 1919	4,033.22	
	<hr/>	
	\$ 4,715.88	
		<hr/>
		\$ 5,294.43
		<hr/>
Cost of works Jan. 1, 1919		\$187,373.62

CONSUMPTION

1. Estimate population at date: 4,500.
2. Estimate population on lines of pipe: 4,000.
3. Population supplied: 2,550.
4. Total consumption for the year: 128,958,823.
5. Average daily consumption: 401,214.
6. Gallons per day to each consumer: 118.
7. Cost of supplying water per million gallons, figured on total maintenance: \$121.10.
8. Total cost of supplying water, figured on total maintenance and interest on bonds: \$174.63.

DISTRIBUTION

1. Kind of pipe: Cast iron.
2. Sizes: From 4 in. to 12 in.
3. Total now in use: 21½ miles.
4. Number of hydrants (public and private) now in use: 196.
5. Number of main gates now in use: 132.
6. Number of blow-off gates: 3.
7. Range of pressure on mains: 54 to 125 lbs.

Respectfully submitted,

WARREN HOLDEN

F. L. DAY

J. FRANK ROOME

Water Commissioners.

REPORT OF LOCAL FOOD ADMINISTRATOR

To the Citizens of Billerica:

After serving as chairman of Food Production Committee for nearly one year, on March 1, 1918, I received notice that J. Howell Crosby of Arlington had been appointed County Food Administrator for Middlesex by State Food Administrator H. B. Endicott. On March 8, I was requested by Mr. Crosby to be present at a meeting in City Hall, Lowell, March 13.

At this meeting Mr. Crosby asked me to go before the Public Safety Committee and ask them to appoint, subject to his approval, the local staff for Billerica.

The staff appointed by the Public Safety Committee was approved by Mr. Crosby and was as follows.

Charles A. Wright, Food Administrator.

Charles A. Wright, Food Production.

Mrs. William H. Sexton, Food Saving.

Thomas F. Sheridan, Food Control.

Neil R. Mahoney, Retail Merchants Representative.

Edgar P. Sellew, Hotel, Clubs, etc.

On March 25th I received my appointment and credentials. No one who has not had a part in this work will be able to appreciate the amount of work that was required and although I was ready and willing to do

my part for the Town, State and Nation if I had fully realized the sacrifice it was going to require I am afraid I should have declined the appointment. That the citizens of the town may have some idea of this task I will say that between March and November I received over three hundred letters about two hundred of which had to be answered and one hundred had to have a report made out and sent into headquarters. I also received about two hundred circulars of information and distributed over two hundred posters to stores and public places.

As near as I can estimate I made about two hundred and fifty calls at stores.

The flour inventory was taken the latter part of April and showed as far as reported three hundred and nineteen families having over the government allowance. Between June 15 and October 20 I issued (with the assistance of my wife, who carried on the work during the two months I was confined to my bed) six hundred and twenty canning sugar cards.

As a general thing I found the citizens ready and willing to abide by my judgment in regard to the amount of sugar they should use for this purpose, when they understood that the government only allowed our town a certain amount based on the last census and no allowance for our transient summer population.

During this time we had reason to regret that we had a telephone in the house as it was in quite general use between 6 a. m. and 10 p. m.

With my system of reports of flour sold by the grocers I was able to tell what families were using more flour than the government allowance and only for the restrictions being removed several would have had to appear before the State Administrator at Boston.

About ninety per cent. of our citizens were loyal to the country and tried to do their part in every way and gave me no trouble. There were a few who disregarded the truth in regard to their statements about sugar and these few we were able to catch by our filing system.

I wish to state that our merchants one and all gave me every assistance possible and some of the time their profit was not enough to cover overhead expenses.

On December seventh, nineteen hundred and eighteen, we were released from any further responsibility although I still receive a good many communications from the Administration.

I take the opportunity to thank my associates in this work and the merchants for the part they took in carrying it on.

Respectfully submitted,

CHARLES A. WRIGHT.

BILLERICA FUEL COMMITTEE

Billerica, Mass., January 14, 1919.

Mr. Thomas F. Sheridan,
Chairman of Board of Selectmen,
Billerica, Mass.

Dear Sir:—

The Billerica Fuel Committee respectfully submits a brief outline of its work to date.

In November, 1917, Harold T. Nowell was appointed as chairman and Albert H. Jones and Edgar P. Sellew as members, by Mr. James J. Storrow, the state fuel administrator, on recommendation of your predecessor in office, Mr. Prescott L. Pasho.

The duties of the committee were to supervise the receipt and distribution of fuel in this town, under the direction of the state fuel administrator. The first requirement was to recommend a maximum retail selling price for coal and coke. The price on the cars at Billerica was fixed by the Fuel Administration, and it was simply up to this committee to determine the gross margin of profit which our local dealers were justly entitled to.

The Fuel Administration had mapped out this work by dividing this gross margin into several items and it was for the committee to determine the value of each item. Being a business unfamiliar to the members of the committee, it was necessary to obtain information, and our instructions were to hold public meetings for this purpose; these meetings were advertised and held in the town hall, were practically unattended except by the committee, and the source of information was found to be confined to the local dealers and their accounts.

It was quite natural that our dealers should at first feel a little resentment at such imposition of restrictions and inquiry into what had previously been considered their own private affairs, entailing considerable extra work on their part, but all friction disappeared when assured that it was not the intention of the committee to impose any unnecessary hardship, but to hold all information as strictly confidential for the use of the committee only. This made it possible for us to work in perfect harmony with the dealers, for the best interests of the citizens of the town, and Billerica should feel proud of the public spirit and patriotism shown by the dealers.

Bituminous Coal

There is practically no bituminous coal used for domestic purposes in Billerica, and only dire necessity would compel it.

The cost of delivery is very variable; a very large percentage is delivered on the cars, and as the committee had nothing to do with the price then, it seemed unnecessary to fix a price on soft coal.

Coke

The price of Otto coke, on the cars, was more than the price of hard coal, and in our opinion it was worth far less. There is little call for it when coal can be had. Lowell coke, at a much lower price, was only occasionally to be had. There seemed no disposition to over charge, and no price was fixed for coke.

Wood

Wood was the most obtainable substitute for hard coal and it stood between many of our people and actual suffering. The price was reasonable when compared with the cost of labor and the price in other towns. The committee did all it could to induce cutting, and the supply was barely sufficient to fill the need.

Wood was our salvation; many cords were burned, green, and there was more to be cut if it had been needed. It is an ideal fuel reserve and this should be a lesson to us not to allow our forest growth to be reduced too low.

Many restrictive orders were sent out by the Fuel Administration in the form of circular letters to local committees. Some of these orders applied to conditions in Billerica and many did not. The committee gave publicity to all orders and placed emphasis where it seemed necessary.

On January 2, 1918, the price of Anthracite, delivered, was fixed at

White Ash	Per Net Ton
Broken, Egg, Stove and Nut	\$10.30
Pea	9.20
Additional charge for basketing .....	.25
Additional charge for half ton lots .....	.25

In January, 1918, Mr. Nowell moved from town and Mr. Jones resigned. Messrs. William H. Sexton and Richard T. Perry were appointed as members and Edgar P. Sellew as chairman.

The winter of 1917 and 1918 was the coldest on record; many of our people used their last shovel of coal, several times; dealers divided their receipts among the most destitute, thereby increasing the cost of delivery quite materially.

The situation in the village of North Billerica became so critical that Mr. Warren H. Manning kindly loaned several tons of his supply. Other small surplus stocks were located, and as a last resort it was proposed to seize coal in transit through the town, as authorized by the Fuel Administration, but receipts from the regular sources increased and the dealers were able to prevent any real suffering.

On April 1, 1918, the Fuel Administration issued order blanks to be filled and signed by all purchasers of coal for domestic purposes, stating the amount of coal on hand on April 1, the amount received in the previous year, the amount desired for the coming year, information as to size of building to be heated and reasons for desiring more coal than was used the previous year.

The Administration provided that delivery might be made of the whole of orders of six tons or under, and two-thirds of larger orders. Copies of these orders were filed with the committee.

The committee was of opinion that the size of deliveries was a little large for the first time around, but as coal came quite freely in the spring, no effort was made to change the ruling.

The committee estimated, on the basis of 1200 houses occupied all the year, that requirements from April 1, 1918 to April 1, 1919, would be 6,850 net tons. Dealers' books show receipts for 1917 of 4,853 net tons, but the supply was very short in 1917 and much coal was purchased from outside towns, but in 1918 very little could be obtained from outside dealers. The Administration allotted us 4,500 net tons, if we could get it, but stated very emphatically that we must plan to get along with that amount, and if the war had continued much longer we should doubtless have been fortunate to get that.

On June 15, 1918, owing to a reduction of thirty cents in the price at the mines and the imposition of a war tax on freights of ten cents, the maximum selling price was changed to

White Ash	Per Net Ton
Broken, Egg, Stove and Nut	\$10.10
Pea	9.00
Additional charge for basketing .....	.25
Additional charge for half ton lots .....	.25

On July 22, 1918, owing to an increase of freight rates of sixty cents, and increase in the cost of local labor, the maximum selling price was changed to

White Ash	Per Net Ton
Broken, Egg, Stove and Nut	\$11.10
Pea	10.00
Additional charge for basketing .....	.40
Additional charge for half ton lots .....	.25

Total receipts of Anthracite from April 1, 1918, to Jan. 1, 1919:

Month	Net Tons
April	215
May	338
June	774
July	525
August	175
September	94
October	620
November	1,009
December	292
Total	4,042

When receipts fell off in August, dealers were informed by their agents that their receipts in 1916 were being used as a basis for calculating receipts for the present year, that the monthly quotas due them had been exceeded and future shipments would be cut to make it up.

The administration's figures for our receipts in 1916 were not obtained through this committee, and in fact, we supposed that the year 1917 was to be used.

Investigation by the committee showed that Billerica had been credited with receipts of 3,512 gross tons in 1916, when our dealers' books showed 4,108 tons, and but for a mistake in figures, our allotment would have been 5,245 net tons instead of 4,500.

It was impossible to get the allotment figures changed but we were promised emergency coal by the state administration, and some 200 tons were received in November.

When receipts fell off in August, dealers were requested not to deliver more than two tons to any one customer, and to deliver to the most needy, first.

On November 22, 1918, owing to increase in miners' wages and necessity of purchasing emergency coal, the maximum selling price was changed to:

White Ash	Per Net Ton
Broken	\$12.25
Egg	12.25
Stove	12.50

Nut	12.60
Pea	11.40
Reduction at yard \$0.75 per net ton .....	.75
Additional charge for basketing .....	.40
Additional charge for half ton lots .....	.25

These prices were based on the following items:

1. 25 per cent. Independent coal.
2. Freight rate of \$3.90 per gross ton (exclusive of tax).

Statement on January 1, 1919.

Coal delivered since April 1, 1918	3,814 Net Tons
Undelivered orders	1,689
<hr/>	
Total orders received	5,503
Total coal received	4,042

Since the signing of the Armistice, conditions have steadily improved, and would probably now be normal if all government restrictions were removed. Our dealers are still hampered by inability of agents to ship them more than the established quota, and as soon as that restriction is removed (which will probably be soon) this committee will feel that its duties are ended.

EDGAR P. SELLEW
RICHARD T. PERRY

REPORT OF FISH WARDEN

January 4, 1919.

To the Honorable Board of Selectmen:

I am pleased to report that there were only a few violations of the law during the past year.

Very truly yours,

JOHN M. KENNELLY,
Fish Warden.

REPORT OF PARK COMMISSIONERS

The Park Commissioners have maintained the common at the Centre with the assistance of Mr. Ernest Bartlett whose work has met with general approval. In addition to the maintenance, the low ground about the soldiers' monument has been graded, the gravel paths removed and replaced with lawn and the low ground at the side of the common drained.

A new topmast was secured for the flag pole and the whole pole replaced. The old flag was repaired and a new flag purchased.

In the triangle at the head of River Street several trees have been removed to give other trees more room to grow and to give better turf, and

the surface has been regraded. This year it is the intention of the Commission to add top soil to secure better conditions for turf.

A new lawn mower has also been purchased.

At the town hall a Lilac from the Manning Manse has been planted at the southeasterly corner to replace the dead Golden Bell.

At the church monument on the common a new plantation of dwarf evergreen and deciduous shrubs have been made.

An oak has been planted in front of the Unitarian Church to replace a tree that was planted some years ago for Donald Win.

The Fordway Park and the Kohlrausch Playground have been maintained with the assistance of Mr. Norris Milberry. As the playground is not yet in condition for general use the attention has been given chiefly to the collection of shrubs along the southerly fence. In this work he has had the assistance of Miss Laelia Carves and Miss Smith, who kept out weeds and planted flowering herbs that were secured from Mr. Kidder.

The work in the grading of the playground has continued thro the year and the town is indebted to the Talbot Mills for free cinder fill, also to Mr. Thomas McElligott for free work on the playground apparatus that was donated by the Episcopal Church.

The Community Day had an attendance of about one hundred and fifty and much work was accomplished in destroying rubbish and in grading.

The Commissioners are asking for the usual appropriation for maintenance and for a sufficient amount to complete the Kohlrausch Playground grading.

WARREN H. MANNING
J. NELSON PARKER
FREDERICK S. CLARK.

REPORT OF BOARD OF HEALTH

Billerica, Mass., Jan. 20, 1919.

To the Honorable Board of Selectmen:

Gentlemen:—We herewith submit the annual report of the Board of Health for the year ending December 31, 1918.

The board have attended to the routine matters that have come before it.

Early in the year there was an outbreak of scarlet fever. There were twenty-four cases scattered over the various sections of the town. The course of the disease was generally mild, there being but one death caused by it.

During the latter part of September there was an outbreak of influenza, which is still prevalent. There have been reported to the board some four hundred and fifty cases with nineteen deaths.

During the height of the epidemic, the board had the assistance of Drs. Conway and McCrillis who were sent to us by the State Department of Health. The board deemed it necessary at one time to order the closing of churches, schools, libraries and forbid the holding of public gatherings. After three weeks conditions had improved so that the ban was lifted.

The board wish to call the attention of the selectmen to the fact that with the extension of the laws relating to reportable diseases, and the support of those affected by them, that there will probably be an increased amount of charges against it during the coming year.

E. J. ALLEY
T. A. ELLIS
N. K. FORHAN

Board of Health.

REPORT OF THE TOWN TREASURER

Jan. 1, 1918, cash in treasury	\$ 5,950.97	
Received from all sources for year ending Dec. 31, 1918	312,387.18	
		\$318,338.15
Approved bills paid for year ending Dec. 31, 1918	\$307,746.53	
Dec. 31, 1918, cash balance on hand	10,591.62	
		\$318,338.15

ARTHUR S. COOK,
Town Treasurer.

REPORT OF TAX COLLECTOR

January 1, 1918 to March 6, 1918

	1917	1916	1915
Uncollected January 1, 1918	\$47,932.24	\$11,273.91	\$ 3,684.53
Additional	78.40		
Total	\$48,010.74	\$11,273.91	\$ 3,684.53
Cash collected	\$ 4,916.10	\$ 710.83	\$ 311.73
Abatements and corrections	103.68	14.85	
Balance March 6, 1918	\$42,990.96	\$10,548.23	\$ 3,372.80

MOTH TAX

Uncollected January 1, 1918	\$ 267.08	\$ 39.30	\$ 23.77
Cash collected	26.03	1.26	
Balance March 6, 1918	\$ 241.05	\$ 38.04	\$ 23.77

RECAPITULATION

	1917	1916	1915
Debit:			
Uncollected January 1, 1918	\$63,220.93		
Additional	78.40		
Interest collected	189.90		
	<hr/>	\$63,489.23	
Credit:			
Paid Treasurer	\$ 6,155.85		
Abatements and corrections	118.53		
	<hr/>	\$ 6,274.38	
Balance March 6, 1918			\$57,214.85
FRANK R. HOLDEN, Collector.			

REPORT OF THE TAX COLLECTOR

	1918	1917	1916	1915
Balance March 12, 1918		\$42,990.96	\$10,548.23	\$ 3,372.80
1918 Commitment:				
Regular	\$14,073.97			
Excise	4,337.26			
	<hr/>			
	\$145,101.23			
Cash collected	\$109,450.68	\$23,035.04	\$ 5,043.31	\$ 2,170.87
Abatements & Corrections	1,645.06	604.90	8.17	
	<hr/>	<hr/>	<hr/>	<hr/>
Balance Dec. 31, 1918	\$ 34,005.49	\$19,351.02	\$ 5,496.75	\$ 1,201.93

MOTH TAX

	1918	1917	1916	1915
Balance March 12, 1918		\$ 241.05	\$ 38.04	\$ 23.77
1918 Commitment	\$ 561.70			
Collected	414.55	106.68	21.12	8.28
	<hr/>	<hr/>	<hr/>	<hr/>
Balance Dec. 31, 1918	\$ 147.15	\$ 134.37	\$ 16.92	\$ 15.49

RECAPITULATION

Debit:			
Total tax uncollected March 12, 1918	\$ 57,214.85		
1918 Commitment	145,662.93		
Interest collected	1,669.67		
	<hr/>	\$204,547.45	
Credit:			
Paid Treasurer	\$141,920.20		
Abatements and Corrections	2,258.13		
	<hr/>	\$144,178.33	
		<hr/>	\$ 60,369.12

T. F. McELLIGOTT,
Collector of Taxes.

REPORT OF THE TOWN ACCOUNTANT

To the Honorable Board of Selectmen,

Gentlemen:—I herewith respectfully submit my report of the financial transactions of the Town for the year 1918, classified according to the recommendations of the Bureau of Statistics.

The balances of uncollected taxes were verified in August by sending to each delinquent a statement of his account as shown on the Collector's books.

The accounts of the Town Treasurer have been examined and found correct. The cash on hand agrees with the records of this office.

The securities held by the Town have been examined and found as reported. They are deposited in the vault of the Union National Bank, Lowell.

I would call your attention to the following statements:—

Classified Statement of Receipts and Expenditures.

Recapitulation of Appropriation Accounts.

Tax Statement.

Report of Trust and Sinking Funds.

Detail of Town Debt.

Comparative Net Debt Statement.

Balance Sheets, General Accounts.

Debt and Trust Accounts.

I wish to take this opportunity to thank your Honorable Board and all other Town Officers who have so heartily co-operated and assisted in the work of this department.

Very respectfully,

EVERETT S. BULL,

Town Accountant.

TREASURER'S RECEIPTS

TAXES

From Collector

1918 Commitment:

Polls	\$ 1,114.00	
Personal property	25,316.17	
Real estate	83,020.51	
	<hr/>	\$109,450.68

1917 Commitment:

Polls	\$ 436.00	
Personal property	1,094.07	
Real estate	26,421.07	
	<hr/>	\$ 27,951.14

1916 Commitment:

Polls	\$ 126.00	
Personal property	542.23	
Real estate	5,085.91	
	<hr/>	\$ 5,754.14

Amount carried forward	\$143,155.96
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Amount brought forward		\$143,155.96	
1915 Commitment:			
Polls	\$	96.00	
Personal property		320.08	
Real estate		2,093.52	
		<hr/>	\$ 2,482.60
Moth Assessments:			
1918 Commitment	\$	414.55	
1917 Commitment		132.71	
1916 Commitment		22.38	
1915 Commitment		8.28	
		<hr/>	\$ 577.92
			<hr/>
			\$146,216.48
From Commonwealth			
Income Tax	\$	7,865.58	
Business Corporation		7,778.45	
Public Service Corporation		910.44	
National Bank Tax		734.50	
Soldiers' Exemption		89.07	
Moth Tax		25.50	
		<hr/>	\$ 17,403.54
Licenses			
Pedlers	\$	10.00	
Fines			
Police Court	\$	202.00	
Grants and Gifts			
Industrial School	\$	143.75	
Dog Licenses		371.64	
		<hr/>	\$ 515.39
			<hr/>
			\$ 18,130.93
			<hr/>
			\$164,347.41

DEPARTMENTAL**Tax Collector**

Telephone Tolls	\$	1.10
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Town Halls

Rent of Town Hall	\$	11.00
Rent of Union Hall		24.00
War Tax Placards Sold		1.00
Telephone Tolls		1.78
		<hr/>
	\$	37.78

Fire Department

Sale of Old Materials	\$	28.00
Telephone Tolls		5.35
		<hr/>
	\$	33.35

Amount carried forward	\$	72.23	\$164,347.41
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Amount brought forward	\$	72.23	\$164,347.41
Sealer of Weights & Measures			
Fees Collected	\$	22.47	

Tree Warden

Telephone Tolls	\$	5.83	
Private Work		8.00	
			\$ 13.83

Highway Department**Sales:**

Harnesses	\$	33.30	
Cart		42.75	
Horses		265.25	
			\$ 341.30

Macadam Construction:

Boston Road	\$	2,315.53	
Lowell Street		4,000.00	
			\$ 6,315.53

Resurfacing:

Brown's Corner to Bridge	\$	373.38	
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Sidewalk Construction:

Elm Street	\$	649.99	
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Use of Steam Roller	\$	51.55	
Hire of Men and Teams		104.96	
Pay Roll Tailings		3.37	
			\$ 159.88

Town Farm

Sale of Milk	\$	3,479.44	
Produce		346.05	
Stock		450.00	
Stove		8.00	
Cutting Corn		38.32	
Board		24.00	
			\$ 4,345.81

Outside Relief

Reimbursements by Cities	\$	61.50	
Individuals		9.00	
Commonwealth ..		573.14	
Wages paid to Town		27.74	
Reimbursement for Burial		15.00	
			\$ 686.38

State Aid

Reimbursement by Commonwealth ..	\$	2,231.66	
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Schools

Tuition	\$	271.20	
Telephone Tolls, Tickets, Etc.		68.32	
Sale of Crosby School		50.00	
			\$ 389.52

Amount carried forward	\$	15,601.98	\$164,347.41
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Amount brought forward \$ 15,601.98 \$164,347.41

Unclassified

Redeemed Checks	\$	597.52	
Use of Town Scales		34.53	
Abbott Fund withdrawn from Bank		29.50	
		<hr/>	\$ 16,263.53

Water Department

Sale of Water	\$	10,348.90	
Hydrant Appropriation		4,125.00	
Miscellaneous: ..			
Service Piping	\$	432.41	
Guarantees		188.26	
Meter Repairs		369.87	
Sundry Receipts		255.13	
		<hr/>	\$ 1,245.67
		<hr/>	\$ 15,719.57

Cemeteries

Sale of Lots	\$	115.00	
Care of Lots:			
From Individuals	\$	573.58	
From Perpetual Care Funds		378.00	
		<hr/>	\$ 951.58
Telephone Tolls .....		.20	
		<hr/>	\$ 1,066.78

Interest

Deposits	\$	228.96	
Deferred Taxes and Assessments		1,859.57	
Sinking Funds:			
Water Works Loan	\$	2,198.29	
Town Hall Loan		1,264.52	
School House Loan		897.59	
		<hr/>	\$ 4,360.40
Cemetery Trust Funds:			
North Cemetery	\$	376.02	
Fox Hill Cemetery		263.84	
South Cemetery		112.51	
		<hr/>	\$ 752.37
Other Trust Funds:			
Bowers Fund	\$	762.08	
Winthrop Faulkner Fund		45.50	
Abbott Singing Fund		22.38	
Common Seat Fund		2.64	
Watering Trough Fund		1.46	
		<hr/>	\$ 834.06
		<hr/>	\$ 8,035.36

Temporary Loans

Anticipation of Revenue		\$100,000.00
Amount carried forward		<hr/> \$305,432.65

Amount brought forward \$305,432.65

Trusts and Investments

Cemetery Funds	\$ 300.00	
Bowers Fund	3,000.00	
School House Loan Sinking Fund	3,125.00	
Private Trust Account	400.00	
	<hr/>	\$ 6,825.00

Refunds

Halls	\$ 8.40	
Fire Department	1.40	
Highway Department	37.08	
Schools	27.00	
Water Department	40.65	
Cemeteries	15.00	
	<hr/>	\$ 129.53

Cash on hand January 1, 1918

\$312,387.18

5,950.97

\$318,338.15

EXPENDITURES

General Government

Finance Committee

Printing Reports	\$ 31.25
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Selectmen

Salaries	\$ 600.00	
Stationery and Postage	18.25	
Printing and Advertising	65.63	
Auto Hire	7.50	
Telephone	11.14	
Distributing Reports	10.00	
Express	3.45	
	<hr/>	\$ 715.97

Accounting

Salary	\$ 700.00	
Stationery and Postage	49.41	
	<hr/>	\$ 749.41

Treasury

Salary	\$ 500.00	
Stationery and Postage	58.56	
Car Fares	20.36	
Surety Bond	120.00	
	<hr/>	\$ 698.92

Amount carried forward \$ 2,195.55

Amount brought forward \$ 2,195.55

Collecting Department

Salary	\$ 700.00	
Clerical Assistance	35.00	
Stationery and Postage	270.21	
Advertising	6.13	
Telephone	18.76	
Surety Bond	100.00	
Express and Cartage	2.13	
Car Fares	12.00	
		\$ 1,144.23

Assessors' Department

Salaries	\$ 900.00	
Stationery and Postage	52.90	
Printing and Advertising	23.45	
Auto Hire	25.35	
Real Estate Transfers	48.30	
		\$ 1,050.00

Other Finance Offices and Accounts

Certifying Town Notes	\$ 18.00	
Rent of Safety Deposit Box	25.00	
		\$ 43.00

Law Department

Legal Advice	\$ 2.00	
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Town Clerk's Department

Salary	\$ 300.00	
Recording Fees	132.55	
Indexing Records	42.13	
Stationery, Printing and Postage	44.31	
Telephone	14.83	
Express	1.73	
		\$ 535.55

Election and Registration

Registrars of Voters	\$ 242.01	
Election Officers	220.00	
Register	1.00	
Printing	62.50	
Meals	2.00	
Ballot Boxes	100.00	
		\$ 627.51
		\$ 5,597.84

Maintenance of Halls

Town Hall:	
Janitor	\$ 550.00
Fuel	478.67

Amount carried forward	\$ 1,028.67	\$ 5,597.84
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Amount brought forward	\$ 1,028.67	\$ 5,597.84
Light	88.57	
Janitor's Supplies	32.98	
Repairs	256.81	
Insurance	165.74	
Telephone	40.75	
Oil Stoves	11.00	
Freight, Express and Cartage	1.65	
Water	12.00	
Desk Blotters	2.00	
Desk and Table	44.00	
Cleaning Cesspool	7.00	
Teaming Ashes	5.00	
War Tax Placards	2.20	
Tuning Piano	12.00	
	<hr/>	\$ 1,710.37
Union Hall:		
Janitor	\$ 50.00	
Repairs	463.86	
Water	6.00	
Flag	15.00	
Janitor's Supplies	2.75	
Mazda Bulbs	3.00	
	<hr/>	\$ 540.61
		<hr/>
		\$ 2,250.98

Police Department

Salaries and Wages:		
Regular Officers	\$ 2,396.00	
Special Officers	695.60	
	<hr/>	\$ 3,091.60
Other Expenses:		
Auto Hire	\$ 579.00	
Car, Fares and Expenses	29.79	
Equipment for Men	79.96	
Grappling Hooks	21.00	
Lanterns	2.00	
Stationery, Printing and Postage ..	17.72	
Telephone	98.65	
Keep of Prisoners	15.50	
Auto List	18.00	
Interpreter	1.50	
Signs	9.50	
Medical Services	14.00	
Express .....	.30	
Lunches	6.34	
Photos of Murder Scene	8.50	
	<hr/>	\$ 901.76
		<hr/>
		\$ 3,993.86
Amount carried forward		<hr/>
		\$ 11,842.18

Amount brought forward \$ 11,842.18

Fire Department

Salaries and Wages:

Engineers	\$ 195.74
Forest Warden	100.00
Call Men	2,308.54
Permanent Man	463.33
Watching Fires	145.95
Other Employees	29.39
	<hr/>
	\$ 3,242.95

Other Expenses:

Horse Hire	\$ 311.50
Truck Hire	95.00
Auto Hire	250.00
Automobile Supplies	267.08
Truck Storage	122.25
Repairs on Steamer	10.00
Hose, Couplings and Nozzles	906.86
Equipment for Men	36.17
Fire Alarm System	986.73
Chemicals	114.53
Fuel	289.02
Light	49.64
Repairs on Buildings	97.88
Furniture and Furnishings	329.13
Janitors	60.00
Janitor's Supplies	10.81
Water	11.67
Insurance	150.00
Stationery, Printing and Postage ..	32.38
Telephone	77.38
Freight, Express and Cartage	17.91
Lunches	77.60
Extinguisher Parts and Repairs	25.90
Hardware	23.68
	<hr/>
	\$ 4,353.12

Robin Hill Observation Tower 200.00

Hydrants

	4,125.00
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 \$ 11,921.07

Fire Station

Architect	\$ 203.82
General Contract	6,288.56
Heating Contract	615.32
Plumbing Contract	350.00
Labor	174.25
Sewer Pipe	106.50
Electric Fixtures	75.00
Building Catch Basin	24.38

Amount carried forward \$ 7,837.83 \$ 23,763.25

Amount brought forward	\$ 7,837.83	\$ 23,763.25
Installing Cable	25.85	
Wood Pipe	14.18	
	<hr/>	\$ 7,877.86
Sealer of Weights and Measures		
Salary	\$ 25.00	
Expenses	35.00	
	<hr/>	\$ 60.00
Fish Warden		
Salary		\$ 10.00

INSECT PEST EXTERMINATION

Gypsy and Brown Tail Moth

Salaries and Wages:

Superintendent	\$ 897.00	
Other Labor	694.90	
	<hr/>	\$ 1,591.90

Other Expenses:

Insecticides	\$ 1,146.82	
Hardware and Tools	98.97	
Telephone	12.97	
Team Hire	4.00	
Freight, Express and Cartage	4.91	
Elastic Cement	1.00	
Plumber	10.32	
Gasoline and Oil	21.89	
Advertising	3.68	
	<hr/>	\$ 1,304.56
		<hr/>
		\$ 2,896.46

Elm Beetle

Salaries and Wages

Superintendent	\$ 58.50	
Other Labor	143.01	
	<hr/>	\$ 201.51

Other Expenses:

Hardware and Tools	\$ 4.28	
Team Hire	94.00	
	<hr/>	\$ 98.28
		<hr/>
		\$ 299.79

Tree Warden

Salaries and Wages:

Superintendent	\$ 76.50	
Other Labor	65.13	
	<hr/>	\$ 141.63

Amount carried forward	\$ 141.63	\$ 34,907.86
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Amount brought forward \$ 141.63 \$ 34,907.36

Other Expenses:

Hardware and Tools	\$ 4.00		
Telephone	18.73		
Team Hire	35.00		
		\$ 57.73	
			\$ 199.36

Health and Sanitation

Salaries, Board of Health		\$ 150.00	
Stationery and Postage	\$ 1.90		
Printing and Advertising	8.42		
Express .....	.28		
Birth Returns	7.50		
Burial	25.00		
Auto Hire and Expense	41.70		
Burying Dog	2.00		
		\$ 86.80	

Contagious Diseases:

Board and Treatment	\$ 83.15		
Medical Attendance	14.00		
Drugs and Supplies	32.84		
Fumigation and Disinfectant	71.53		
Culture Examinations	21.00		
		\$ 222.52	

Inspection:

School Children	\$ 500.00		
Cattle	100.00		
Meats	135.00		
Milk .....	.90		
		\$ 825.00	
			\$ 1,284.32

Highway Repairs

Salaries and Wages:

Superintendent	\$ 877.86		
Clerk	25.00		
Labor	4,547.25		
Team Hire	958.50		
		\$ 6,408.61	

Other Expenses:

Auto Hire	\$ 270.00		
Broken Stone and Gravel	279.47		
Harnesses and Auto Supplies	360.32		
Blacksmith Repairs	254.55		
Other Equipment and Repairs	297.83		
Hay, Grain and Straw	1,159.38		
Telephone	20.59		
Veterinary and Drugs	31.28		
Freight and Express	1,462.96		

Amount carried forward	\$ 4,136.38	\$ 6,408.61	\$ 36,391.04
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Amount brought forward \$ 4,136.38 \$ 6,408.61 \$ 36,391.04

Lumber	18.50
Coal	64.05
Tar and Oil	2,926.53
Gasoline, Oil and Grease	275.30
Culvert and Sewer Pipe	264.07
Plumber	17.18
Cement	20.00

————— \$ 7,722.01

————— \$ 14,130.62

Above Expenditures Charged to Following Accounts:

Highway Repairs	\$8,347.40
Turnpike Repairs	2,487.22
Macadam Repairs	3,000.00
Sidewalk Repairs	296.00

New Equipment

Auto Dump Truck	\$ 3,500.00
Commonwealth Highway Tax	\$ 267.48

Bridge Repairs

Salaries and Wages:

Superintendent	\$ 51.28
Carpenters	390.00
Painters	232.55
Watching	196.85
Other Labor	329.74
Team Hire	128.26
Truck Hire	25.00
—————	\$ 1,353.68

Other Expenses:

Lumber	\$ 1,135.51
Freight	109.07
Engineer	34.00
Wood Preservative	33.80
Gasoline and Oil	10.22
Equipment	12.00
—————	\$ 1,334.60

————— \$ 2,688.28

Construction

Boston Road Macadam

1916 Job:

Asphalt	\$ 414.31
Gravel	36.00
—————	\$ 450.31

1917 Job:

Balance on Contract	4,673.19
—————	\$ 5,123.50

Amount carried forward \$ 62,100.92

Amount brooght forward \$ 62,100.92

Lowell Street Macadam

Salaries and Wages:

Superintendent	\$ 288.45	
Labor	1,523.22	
Teams	7.88	
Truck Hire	20.00	
		\$ 1,839.55

Other Expenses:

Crushed Stone	\$ 3,672.02	
Tar	1,108.84	
Blacksmith Repairs	26.10	
Harness and Auto Supplies	134.50	
Other Equipment and Repairs	57.21	
Fuel	140.52	
Hay and Grain	169.48	
Gasoline and Oil Waste	246.85	
Truck Repairs	42.00	
Telephone	7.29	
Insurance on Truck	36.00	
		\$ 5,640.81
		\$ 7480.36

Brown's Corner—State Job

Salaries and Wages:

Superintendent	\$ 153.84	
Labor	292.76	
Teams	82.16	
		\$ 528.76

Other Expenses

Tar	\$ 450.00	
Freight and Express	65.05	
		\$ 515.05
		\$ 1,043.81

Elm Street Sidewalk

Salaries and Wages:

Superintendent	\$ 76.92	
Labor	708.32	
Teams	65.00	
		\$ 850.24

Other Expenses:

Cement	\$ 286.00	
Survey	10.50	
Lumber	66.29	
Gasoline and Oil	24.45	
Use of Cement Mixer	62.50	
		\$ 449.74
		\$ 1,299.98

Amount carried forward \$ 71,925.07

Amount brought forward \$ 71,925.07

Chadwick Street Sidewalk

Superintendent	\$	25.64		
Labor		45.50		
			\$	71.14
Truck Expense				9.48
			\$	80.62

Care of Snow and Sanding Sidewalks

Salaries and Wages:

Superintendent	\$	183.69	
Labor		1,021.12	
Teams		353.45	
Plowing Sidewalks		349.25	
			\$ 1,907.51

Other Expenses:

Blacksmith Repairs	\$	39.10	
Harnesses and Auto Supplies		98.35	
Hay and Grain		184.37	
Snow Plow and Sled		135.00	
Sand		19.50	
Repairing Fence		39.00	
Freight		1.55	
			\$ 516.87
			\$ 2,424.38

Street Lighting

237 Original Lights	\$	4,266.00	
10 added during year		49.15	
Fourth of July Extra Charge		15.00	
			\$ 4,330.15

Damages to Property

Awards as Voted at Town Meeting ..	\$	430.00
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Charities

Salary of Overseers	\$	400.00
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Outside Relief:

Stationery, Printing and Postage ..	\$	16.81
Car Fares		5.70
Auto Hire		10.00
Telephone		22.06
Groceries and Provisions		17.74
Coal and Wood		10.40
Board and Care		734.40
Medicine and Medical Attendance ..		17.00
Burials		40.00
Relief by Other Cities and Towns ..		540.75

Amount carried forward	\$	1,414.86	\$	400.00	\$	79,190.22
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Amount brought forward \$ 1,414.86 \$ 400.00 \$ 79,190.22

Mothers' Aid Cash	1,444.00	
Groceries & Provisions	259.38	
Fuel	71.77	
Board and Care	45.00	
Moving	25.00	
Rent	17.53	
	<hr/>	\$ 3,277.54

Bowers Fund Expenditures

Groceries and Provisions	\$ 269.44
Fuel	53.85
Board and Care	24.00
	<hr/>
	\$ 347.29

Town Farm

Superintendent and Matron	\$ 774.17
Other Employees	494.70
Groceries and Provisions	987.18
Dry Goods and Clothing	114.77
Repairs on Buildings	315.66
Fuel and Light	308.84
Hay and Grain	2,050.69
Stable Equipment	60.90
Hardware Supplies	58.51
Medicine and Medical Attendance	69.20
Laundry	33.40
Telephone	25.26
Plants and Seeds	68.21
Express .....	.66
Fertilizer	49.25
Stock	74.00
Rent of Pasture	26.06
Gasoline	12.35
Ice	31.23
Sawing Wood	18.50
Courier-Citizen Subscription	3.00
Moth Assessment	6.57
Water	56.89
Tewksbury Taxes	6.05
	<hr/>
	\$ 5,645.99
	<hr/>
	\$ 9,670.82

State Aid

Civil War Cases	\$ 440.00
German War Cases	3,935.00
	<hr/>
	\$ 4,375.00
	<hr/>
Amount carried forward	\$ 93,236.04

Amount brought forward \$ 93,236.04

Schools

General Expenses:

School Committee	\$ 180.00	
Superintendent	600.00	
Truant Officers	50.00	
Stationery, Printing and Postage ..	58.85	
Telephone	83.01	
Traveling Expenses	17.20	
School Census	50.00	
Freight, Express and Cartage	54.11	
Graduation Expenses	40.40	
Industrial School Tuition	513.75	
Support of Truants	52.00	
		\$ 1,699.32

Teachers' Salaries:

High School	\$ 5,711.25	
Elementary Schools	11,414.00	
Supervisors	2,245.00	
		\$ 19,370.25

Text and Reference Books:

Howe School	\$ 343.66	
Elementary Schools	190.16	
		\$ 533.82

Supplies:

Howe School	\$ 562.07	
Elementary Schools	475.43	
		\$ 1,037.50

Transportation

Automobile Service	\$ 2,110.00	
Electric Car Tickets	2,768.33	
		\$ 4,878.33

Janitor's Services:

Howe School	\$ 1,402.35	
Elementary Schools	1,501.28	
		\$ 2,903.63

Fuel and Light:

Howe School	\$ 1,514.77	
Elementary Schools	1,820.56	
		\$ 3,335.33

Maintenance Buildings and Grounds

Howe School:

Repairs	\$ 321.89	
Janitor's Supplies	159.89	
Grading Grounds	742.47	
Nursery Stock	227.75	

Amount carried forward \$ 1,452.00 \$ 93,236.04

Amount brought forward	\$ 1,452.00	\$ 93,236.04
Water	61.87	
Fertilizer	15.00	
Laundry .....	.57	
	<u> </u>	\$ 1,529.44
Elementary Schools:		
Repairs	\$ 711.96	
Janitors' Supplies	295.61	
Water	49.68	
Teaming Ashes	86.00	
	<u> </u>	\$ 1,143.25
Furniture and Furnishings:		
Howe School	\$ 68.59	
Elementary Schools	427.30	
	<u> </u>	\$ 495.89
		<u> </u> \$ 36,926.76

Libraries

For Purchase of Books	45.00
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Parks and Playgrounds

Common and Greens in Centre:		
Care	\$ 150.00	
Lawn Mower and Sharpening	16.00	
Fertilizer	40.00	
Grading	85.00	
Shrubs and Seed	21.75	
Top Mast and Painting Flag Pole	100.00	
	<u> </u>	\$ 412.75
Fordway Park:		
Care	\$ 28.00	
Shrubs	58.00	
	<u> </u>	\$ 86.00
Kohlrausch Playground:		
Labor and Teams	\$ 244.00	
Advertising .....	.37	
Plants	3.00	
	<u> </u>	\$ 247.37
		<u> </u> \$ 746.12

UNCLASSIFIED

Billerica Veterans Association

Memorial Day	\$ 125.00
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Printing

Town Reports	\$ 390.80
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Compensation E. A. Barker

Special Remuneration	\$ 300.00
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Amount carried forward	\$ 815.80	\$ 130,953.92
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Amount brought forward \$ 815.80 \$130,953.92

Town Clock

Care	\$ 25.00	
Repairs	12.00	
	<hr/>	\$ 37.00

Town Pump

Repairs on Old Pump	\$ 3.30	
New Pump	48.00	
	<hr/>	\$ 51.30

Accounting

State Inspection	\$ 17.37	
Pay Rolls for all Departments	12.50	
	<hr/>	\$ 29.87

Town Scales

Repairs		\$ 26.70
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Public Safety

Food Control:

Telephone and Expense		\$ 34.43
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Patriotic:

Honor Rolls	\$ 12.00	
Service Flag and Repairs	25.95	
Enrollment Book	5.00	
Supplies	7.00	
Typewriting	2.00	
Band	65.94	
Music	29.50	
Speakers	6.00	
Flag and Repairs	21.98	
	<hr/>	\$ 175.37

Returned Checks	\$ 597.52	
	<hr/>	\$ 1,767.99

WATER DEPARTMENT

General Expenses

Salaries and Wages:

Superintendent	\$ 1,263.00	
Clerk	249.96	
Labor	4,520.26	
	<hr/>	\$ 6,033.22

Other Expenses:

Auto Hire	\$ 728.00	
Stationery, Postage & Advertising	69.18	
Telephone	117.19	
Freight, Express and Cartage	123.19	
Pipe and Fittings	2,187.58	
Meters, Repairs and Fittings	504.98	

Amount carried forward	\$ 3,730.12	\$ 6,033.22	\$132,721.91
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Amount brought forward \$ 3,730.12 \$ 6,033.22 \$132,721.91

Equipment and Repairs	167.81		
Thawing Ice	199.57		
Lime and Oil	4.41		
Forcite and Exploders	114.95		
Gas and Batteries	9.40		
Medical Attendance	26.00		
Lumber	12.33		
		\$	4,264.59

Service Piping

Labor	\$ 300.01		
Pipe and Fittings	433.40		
		\$	733.41

Pumping Station

Engineer	\$ 1,518.51		
Other Labor	1,413.83		
Oil, Waste and Packing	86.45		
Coal	5,342.66		
Freight and Cartage	1,139.77		
Light	46.36		
Pump Repairs	153.69		
Supplies	11.71		
Telemeter	281.05		
Castings	18.50		
Express	1.25		
Insurance	54.50		
		\$	10,068.28
			\$ 21,099.50

Above Expenditures charged to Following Accounts:

Maintenance	\$15,622.85
Extension of Mains	4,845.93
Additional Supply	630.72

Cemeteries

Salaries and Wages:

Superintendent and Team	\$ 1,300.00		
Other Labor	964.30		
		\$	2,264.30

Other Expenses:

Loam	\$ 8.50
Seed	1.75
Fertilizer	86.54
Tools, Equipment and Repairs	58.15
Telephone	16.84
Lumber	1.08
Postage and Stationery	7.07

Amount carried forward \$ 179.93 \$ 2,264.30 \$153,821.41

Amount brought forward	\$ 179.93	\$ 2,264.30	\$153,821.41
Freight and Express	3.76		
Cement	9.00		
	<hr/>	\$ 192.69	
			\$ 2,456.99

Interest

Temporary Loans:			
Anticipation of Revenue		\$ 2,426.60	
General Loans:			
Concrete Bridges	\$ 250.00		
Town Hall	1,200.00		
High School	3,150.00		
Talbot School	875.00		
Trustees Howe School Refunding	160.00		
Bowers Fund Refunding	240.00		
	<hr/>	\$ 5,875.00	
Public Service Enterprises:			
Water Loans		\$ 6,915.00	
		<hr/>	\$ 15,216.60

Municipal Indebtedness

Temporary Loans:			
Anticipation of Revenue		\$ 90,000.00	
General Loans:			
High School	\$ 4,500.00		
Concrete Bridges	\$ 2,000.00		
Bowers Fund	1,000.00		
	<hr/>	\$ 7,500.00	
Public Service Enterprises:			
Water Bonds		\$ 5,000.00	
		<hr/>	\$102,500.00

Taxes

State Tax	\$ 11,880.00		
County Tax	5,887.46		
	<hr/>	\$ 17,767.46	

Trusts and Investments

Cemetery Perpetual Care Funds:			
New Funds	\$ 300.00		
Current Year Income	752.37		
	<hr/>	\$ 1,052.37	
Sinking Funds:			
Water Works	\$ 3,998.29		
Town Hall	2,064.52		
School House	4,897.59		
	<hr/>	\$ 10,960.40	
Other Trusts:			
Bowers Fund	\$ 3,414.79		
Winthrop Faulkner Fund .....	.50		
Abbott Singing Fund	22.38		
	<hr/>		
Amount carried forward	\$ 3,437.67	\$ 12,012.77	\$291,762.46

Amounts brought forward	\$ 3,437.67	\$ 12,012.77	\$291,762.46
Common Seat Fund	2.64		
Watering Trough Fund	1.46		
Private Trust Accounts	400.00		
	<hr/>	\$ 3,841.77	
		<hr/>	\$ 15,854.54

Refunds

Halls	\$ 8.40	
Fire Department	1.40	
Highways	37.08	
Schools	27.00	
Water Department	40.65	
Cemeteries	15.00	
	<hr/>	\$ 129.53
Total Expenditures		\$307,746.53
Cash Balance December 31, 1918		10,591.62
		<hr/>
		\$318,338.15

APPROPRIATION ACCOUNTS

RECAPITULATION

	Available	Expenditures	Balance
Treasurer's and Collector's Bonds	\$ 220.00	\$ 220.00	
Assessors' Special	150.00	150.00	
Indexing Records	50.00	42.13	\$ 7.87
Town Halls	1,508.40	2,259.38	*750.98
Police Department	4,000.00	3,993.36	6.64
Fire Department	7,000.00	7,346.07	*346.07
Fire Station	7,905.41	7,877.86	27.55
Moth Department	3,000.00	2,896.46	103.54
Elm Beetle	300.00	299.79	.21
Tree Warden	200.00	199.36	.64
Board of Health Expenses	781.58	615.90	165.68
Stearns Brook	300.00		300.00
Highway Repairs	11,282.08	11,282.08	
Macadam Repairs	3,000.00	3,000.00	
Care of Snow & Sanding Sidewalks	1,000.00	2,424.38	*1,424.38
Brown's Corner to Bridge	410.46	1,080.89	*670.43
Auto Dump Truck	3,500.00	3,500.00	
Bridge Repairs	500.00	2,688.28	*2,188.28
Macadam Boston Road	5,140.07	5,123.50	16.57
Damages to Property	430.00	430.00	
Lowell Street Macadam	6,500.00	7,480.36	*980.36
Sidewalk Repairs	300.00	296.00	4.00
Chadwick Street Sidewalk	100.00	80.62	19.38
Elm Street Sidewalk	1,299.99	1,299.98	.01

	Available	Expenditures	Balance
Street Lighting	4,500.00	4,330.15	169.85
Town Farm	5,669.29	5,645.99	23.30
Outside Relief	3,000.00	3,277.54	*277.54
Industrial School		513.75	*513.75
Schools	40,442.00	35,517.54	4,924.46
Grading High School Grounds	1,000.00	742.47	257.53
Parks	400.00	393.81	1.19
Common	150.00	150.00	
Kohlrausch Playground	123.96	123.96	
Fordway Park	73.35	73.35	
Compensation to E. A. Barker	300.00	300.00	
Memorial Day	125.00	125.00	
Printing	750.00	634.68	115.32
Incidentals	1,200.00	1,122.62	77.38
Reserve	2,000.00	2,000.00	
Salaries	5,690.00	5,627.01	62.99
Water Maintenance	15,625.00	15,622.85	2.15
Extensions	9,307.81	4,845.93	4,461.88
Additional Supply	1,077.70	630.72	446.98
Hydrants	4,125.00	4,125.00	
Cemeteries	2,500.00	2,456.99	43.01
Fox Hill Addition	95.20		95.20
Interest	10,000.00	9,991.60	8.40
Town Hall Sinking Fund and Bond			
Interest	2,000.00	2,000.00	
School House Sinking Fund and			
Bond Interest	1,750.00	1,750.00	
Water Sinking Fund	1,800.00	1,800.00	
High School Bond Interest	3,150.00	3,150.00	
Town Notes	12,500.00	12,500.00	

*Overdrafts.

TAX STATEMENT, DECEMBER 31, 1918

	Uncollected Jan. 1, 1918	Collected during 1918	Balance Dec. 31, 1918
Tax of 1915	\$ 3,684.53	\$ 2,482.60	\$ 1,201.93
Tax of 1916	11,273.91	5,777.16	5,496.75
Tax of 1917	47,932.34	28,659.72	19,351.02
Additional	78.40		
Tax of 1918	145,101.23	111,095.74	34,005.49

MOTH ASSESSMENT

Assessed in 1915	\$ 23.77	\$ 8.28	\$ 15.49
Assessed in 1916	39.30	22.38	16.92
Assessed in 1917	267.08	132.71	134.37
Assessed in 1918	561.70	414.55	147.15
	<hr/> \$208,962.26	<hr/> \$148,593.14	<hr/> \$ 60,369.12

REPORT OF CEMETERY TRUST FUNDS

NAME OF FUND	Amount Jan. 1, 1918	1918 Income	1918 Expend- itures	Balance Dec. 31, 1918
North Cemetery				
Sawyer	\$ 142.92	\$ 8.74		\$ 151.66
Samuel Osgood	117.29	5.31	\$ 4.00	118.60
Josiah Rogers	252.94	11.48	10.00	254.42
Isaac Knafton	101.48	4.59	4.00	102.07
Bryant	161.57	10.69	6.00	166.26
Betsey Cowdrey	53.61	2.41	2.00	54.02
Balmforth	109.90	4.97	4.00	110.87
Shedd	131.79	5.97	5.00	132.76
Calvin Rogers	366.34	24.31	10.00	380.65
Amos Cray	286.94	13.03	10.00	289.97
Francis V. Noyes	256.42	17.00	6.00	267.42
Faulkner	1,429.35	77.43		1,506.78
Levi Sprague	366.31	24.31	15.00	375.62
Maria Dows	250.03	16.59	10.00	256.62
Faulkner Wild Randlett	321.03	14.60	12.00	323.63
Mary M. Shores	115.99	5.25	4.00	117.24
H. M. Hutchins	51.62	2.32	2.00	51.94
Andrew Handley	102.22	4.64	4.00	102.86
Georgiana Rogers	164.50	7.47	6.00	165.97
A. R. Richardson	331.62	15.08	12.00	334.70
Higson & Switzer	108.46	4.91	4.00	109.37
Abbott	106.34	4.82	4.00	107.16
H. W. Sheldon	109.76	4.97	4.00	110.73
Coffey	105.84	4.79	4.00	106.63
Walker	107.10	4.86	4.00	107.96
W. O. Sheldon	105.52	4.77	4.00	106.29
Spaulding	108.24	4.91	4.00	109.15
Bottomley	105.62	4.77	4.00	106.39
Ritchie	105.62	4.77	4.00	106.39
Jennie S. Twombly	101.50	4.59	4.00	102.09
W. A. Evans	213.84	9.70	5.00	218.54
A. H. Jones	213.84	9.70	5.00	218.54
Sarah A. Sutcliffe	104.38	4.73	4.00	105.11
Farwell	104.38	4.73	4.00	105.11
Lucy Brown	107.18	4.86		112.04
Saville Metcalf	100.02	4.54	4.00	100.56
Van Deursen Currier	102.00	4.64	4.00	102.64
Bartlett	102.00	4.64		106.64
W. G. Potts	100.00	4.13	4.00	100.13
	<hr/> \$7,325.51	<hr/> \$376.02	<hr/> \$196.00	<hr/> \$7,505.53

Fox Hill Cemetery

Thompson Fund	\$1,127.24	\$ 37.81		\$1,165.05
Joel Baldwin	116.46	5.39	\$ 4.00	117.85
Gray	581.94	26.46		608.40
Olivia A. Stearns	110.79	5.02	4.00	111.81
A. W. Patten	420.29	19.10	12.00	427.39
Bohonan	84.92	5.60	3.00	87.52

NAME OF FUND	Amount Jan. 1, 1918	1918 Income	1918 Expend- itures	Balance Dec. 31, 1918
Frost	103.51	6.83	4.00	106.34
Esther A. Holden	109.32	4.95	4.00	110.27
Wm. A. Burrows	100.54	4.55	4.00	101.09
John Fisk	50.20	2.28	2.00	50.48
George H. Hall	214.88	9.75	4.00	220.63
Samuel H. King	109.94	4.97	4.00	110.91
Gilman	100.40	4.55	4.00	100.95
Rosa Gatter	220.52	10.01	8.00	222.53
Palmer Richardson	108.24	4.91	4.00	109.15
Baldwin	108.24	4.91	4.00	109.15
Holden White	108.24	4.91	4.00	109.15
Spaulding	154.92	7.03	5.00	156.95
Alexander	162.68	7.39	6.00	164.07
Shedd Sanborn	102.70	4.66	4.00	103.36
Bennink	163.68	7.43	5.00	166.11
Andrews	101.34	4.59	4.00	101.93
Harlow Colby	103.42	4.68	4.00	104.10
Folsom	105.62	4.77	4.00	106.39
Underhill	103.34	4.68	4.00	104.02
Crosby & Lowell	209.80	9.52	8.00	211.32
Wild	78.49	3.56	3.00	79.05
Fisk	103.18	4.68	4.00	103.86
Salaway	78.35	3.56	3.00	78.91
Palmer	103.42	4.68	4.00	104.10
D. H. Spiller	102.00	4.64	4.00	102.64
J. & J. Wright	300.00	12.38		312.38
A. H. Richardson	200.00	9.09		209.09
P. W. Tully (Added in 1918)	100.00	2.25		102.25
Mark Lund (Added in 1918)	200.00	2.25		202.25
	<hr/>	<hr/>	<hr/>	<hr/>
	\$6,248.61	\$263.84	\$131.00	\$6,381.45

South Cemetery

Sweetzer	\$1,480.81	\$ 70.69	\$ 15.00	\$1,536.50
Thomas Sumner	110.37	5.00	4.00	111.37
Mary F. J. Foster	113.96	5.15	5.00	114.11
Susan E. Hutchins	112.05	5.09	5.00	112.14
Jaquith	141.65	6.41	5.00	143.06
Abigail Jacquith	105.10	4.77	4.00	105.87
Holden	106.65	4.84	4.00	107.49
Joseph Jacquith	104.38	4.73	4.00	105.11
Foster	128.82	5.83	5.00	129.65
	<hr/>	<hr/>	<hr/>	<hr/>
	\$2,403.79	\$112.51	\$ 51.00	\$2,465.30

Recapitulation

Amount of Funds January 1, 1918	\$ 15,677.91
Funds received during 1918	300.00
Interest Income for 1918	752.37

Total	\$ 16,730.28
Expenditures during 1918	378.00

Balance Dec. 31, 1918 \$ 16,352.28

Accounting**Bonds:**

Commonwealth of Massachusetts ..	\$ 1,000.00	
Greenfield Electric Light & Power ..	1,000.00	
Spencer Gas Company	1,000.00	
		\$ 3,000.00

Savings Banks Deposits:

Central Savings Bank	\$ 7,531.63	
Lowell Five Cent Savings Bank	2,825.85	
Mechanics Savings Bank	1,179.18	
City Institution for Savings	1,078.66	
Lowell Institution for Savings	726.25	
Traders National Bank Certificate ..	10.71	
		\$ 13,352.28
		\$ 16,352.28

WATER WORKS SINKING FUND

Amount of Fund January 1, 1918		\$ 49,284.06
Town Appropriation	\$ 1,800.00	
Interest Income for 1918	2,198.29	
		3,998.29
		\$ 53,282.35

Accounting

United States Liberty Bonds (receipts)	\$ 5,000.00	
Boston & Albany Bond	10,000.00	
New York, New Haven & Hartford Bonds	11,000.00	
Billerica Water Bonds No. 11, 45	2,000.00	
Additional Water Bonds No. 41, 42, 43, 44, 45, 46 ..	3,000.00	
Lowell Five Cent Savings Bank	5,352.89	
City Institution for Savings	4,067.56	
Lowell Institution for Savings	994.65	
Mechanics Savings Bank	992.53	
Central Savings Bank	7,442.26	
Mechanics Savings Bank	3,432.46	
		\$ 53,282.35

TOWN HALL SINKING FUND

Amount of Fund January 1, 1918		\$ 28,412.30
Town Appropriation	\$ 800.00	
Interest Income for 1918	1,264.52	
		\$ 2,064.52
		\$ 30,476.82

Accounting

Billerica Water Bonds No. 13, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 81, 82	\$13,000.00	
Additional Water Bonds No. 39, 40	1000.00	
City Institution for Savings	2,233.54	
City Institution for Savings	1,185.09	
Central Savings Bank	4,797.60	
Mechanics Savings Bank	1,207.74	
Mechanics Savings Bank	1,782.16	
Lowell Five Cent Savings Bank	5,270.69	
		\$ 30,476.82

SCHOOL HOUSE LOAN SINKING FUND

Amount of Fund January 1, 1918	\$ 20,137.69	
Town Appropriation	\$ 875.00	
Interest Income for 1918	897.59	
	<hr/>	\$ 1,772.59
		<hr/>
		\$ 21,910.28

Accounting

United States Liberty Bonds (receipts)	\$ 5,200.00	
School House Loan Bonds 23, 24, 25	3,000.00	
Billerica Water Bonds 12, 15, 27, 44	4,000.00	
Additional Water Bonds 35, 36, 37, 38	2,000.00	
Lowell Institution for Savings	164.02	
Central Savings Bank	2,505.31	
City Institution for Savings	1,654.33	
Mechanics Savings Bank	764.73	
Lowell Five Cent Savings Bank	2,621.89	
	<hr/>	\$ 21,910.28

BOWERS FUND

Amount of Fund January 1, 1918	\$ 17,581.92	
Interest Income for 1918	762.08	
	<hr/>	
Total	\$ 18,344.00	
Expenditures during 1918	347.29	
	<hr/>	
Balance December 31, 1918		\$ 17,996.71

Accounting

United States Liberty Bonds (receipts)	\$ 4,500.00	
Town of Billerica Notes 37, 38, 39, 40, 41	5,000.00	
Billerica Water Bond 14	1,000.00	
Town of Russell Bonds 7, 8	1,000.00	
Messer Mortgage	1,000.00	
Colburn Mortgage	450.00	
Lowell Institution for Savings	126.07	
Mechanics Savings Bank	328.07	
Mechanics Savings Bank	445.21	
Central Savings Bank	1,053.38	
Central Savings Bank	2,456.59	
City Institution for Savings	173.01	
City Institution for Savings	52.19	
Lowell Five Cent Savings Bank	412.19	
	<hr/>	\$ 17,996.71

ABBOTT SINGING FUND

Amount of Fund January 1, 1918	\$ 1,737.50	
Interest Income for 1918	22.38	
	<hr/>	
Total	\$ 1,759.88	
Expenditures during 1918	29.50	
	<hr/>	
Balance December 31, 1918		\$ 1,730.38

Accounting

Morrissey Mortgage	\$ 1,400.00	
Lowell Five Cent Savings Bank	330.38	
	<hr/>	\$ 1,730.38

COMMON SEAT FUND

Amount of Fund January 1, 1918	\$ 58.14	
Interest Income for 1918	2.64	
	<hr/>	
Amount of Fund December 31, 1918,		
Deposited in Central Savings Bank		\$ 60.82

WATERING TROUGH FUND

Amount of Fund January 1, 1918	\$ 32.71	
Interest Income for 1918	1.46	
	<hr/>	
Amount of Fund December 31, 1918,		
Deposited in Central Savings Bank		\$ 34.17

WINTHROP FAULKNER FUND

Amount of Fund January 1, 1918	\$ 1,000.00	
Interest Income during 1918	45.50	
	<hr/>	
Total	\$ 1,045.50	
Expenditures during 1918	45.00	
	<hr/>	
Balance December 31, 1918, Deposited		
in Central Savings Bank		\$ 1,000.50

STATEMENT OF TOWN DEBT DECEMBER 31, 1918.

Year	Water	Refunding	School Houses	Bridges	Other	Total
1919	\$ 5,000	\$ 1,000	\$ 4,500	\$ 2,000	\$ 50,000	\$ 62,500
1920	5,000	1,000	4,500	1,000		11,500
1921	5,000	1,000	29,500	1,000		36,500
1922	5,000	1,000	4,500			10,500
1923	5,000	1,000	4,500			10,500
1924	5,000	1,000	4,500			10,500
1925	5,000	1,000	4,500			10,500
1926	5,000	1,000	4,500			10,500
1927	3,000	1,000	4,500			8,500
1928	93,000		4,500			97,500
1929	3,000		4,500			7,500
1930	3,000		4,500			7,500
1931	3,000		4,500			7,500
1932	3,000		4,500			7,500
1933	2,000		4,500			6,500

Year	Water	Refunding	School Houses	Bridges	Other	Total
1934	2,000		4,500			6,500
1935	2,000		4,500			6,500
1936	2,000					2,000
1937	2,000					2,000
1938	2,000					2,000
1939	2,000					2,000
1940	1,000					1,000
Totals	\$163,000	\$ 9,000	\$101,500	\$ 4,000	\$ 50,000	\$327,500

COMPARATIVE NET DEBT STATEMENT DECEMBER 31, 1918

	1916	1917	1918
Due Appropriation Accounts Un- expended	\$ 37,246.66	\$ 21,548.77	\$ 5,446.59
Due Trust Funds	34,780.63	36,088.22	37,174.86
Bonds Payable:			
Water Works	156,000.00	168,000.00	163,000.00
Town Hall	30,000.00	30,000.00	30,000.00
Talbot School	25,000.00	25,000.00	25,000.00
Howe School	85,500.00	81,000.00	76,500.00
Notes Payable:			
Trustees Howe School	4,000.00	4,000.00	4,000.00
Bowers Fund	7,000.00	6,000.00	5,000.00
Bridges	8,000.00	6,000.00	4,000.00
Anticipation of Revenue		10,000.00	20,000.00
	<u>\$387,527.29</u>	<u>\$387,636.99</u>	<u>\$370,121.45</u>
Cash on Hand, Taxes and Water Rates Due	\$ 49,687.15	\$ 69,411.19	\$ 72,870.91
Appropriation Accounts Overdrafts	14,765.14	2,819.07	8,497.27
Due from Commonwealth		2,435.41	4,631.87
Trust Fund Investments	34,570.59	36,088.22	37,174.86
Sinking Funds:			
Water Works	45,669.18	49,284.06	53,282.35
School House	18,556.59	20,137.69	21,910.28
Town Hall	26,572.24	28,412.30	30,476.82
	<u>\$189,820.89</u>	<u>\$208,587.94</u>	<u>\$228,844.36</u>
Net Debt	<u>\$197,706.40</u>	<u>\$179,049.05</u>	<u>\$141,277.09</u>

TOWN OF BILLERICA
BALANCE SHEET, DECEMBER 31, 1918
GENERAL ACCOUNTS

Assets

Cash:

In Bank	\$ 10,541.62	
In Office	50.00	
	<hr/>	\$ 10,591.62

Accounts Receivable:

T. F. McElligott, Collector—

Taxes 1915	\$ 1,201.93	
Taxes 1916	5,496.75	
Taxes 1917	19,351.02	
Taxes 1918	34,005.49	
	<hr/>	\$ 60,055.19

Moth Assessments 1915	\$ 15.49	
Moth Assessments 1916	16.92	
Moth Assessments 1917	134.37	
Moth Assessments 1918	147.15	
	<hr/>	\$ 313.93

Due from Commonwealth:

State Aid	\$ 4,375.00	
Industrial School	256.87	
	<hr/>	\$ 4,631.87
		1,910.17

Water Rates

Overdrafts:

Registrars of Voters	\$ 42.01	
Town Halls	750.98	
Fire Department	346.07	
Snow Work	1,424.38	
Street Ry. Excise & Corp. Tax	1,560.34	
Brown's Corner Job	670.43	
Bridges	2,188.28	
Lowell Street	980.36	
Outside Relief	277.54	
Industrial School	256.88	
	<hr/>	\$ 8,497.27

\$ 86,000.05

TOWN OF BILLERICA
BALANCE SHEET, DECEMBER 31, 1918
GENERAL ACCOUNTS

Liabilities

Revenue Loans		\$ 20,000.00	
Cemeteries, Sale of Lots Fund		185.00	
Appropriation Balances:			
Grading High School Grounds	\$ 257.53		
Additional Water Supply	446.98		
Extension of Water Mains	4,461.88		
Fox Hill Cemetery Addition	95.20		
			\$ 5,261.59
Water Revenue		1,910.17	
Reserve Fund—Surplus Overlay		1,226.79	
Overlay—Reserved for Abatements:			
Levy of 1915	\$ 1,413.30		
Levy of 1916 ¹	2,996.37		
Levy of 1917	3,896.15		
Levy of 1918	750.31		
			\$ 9,056.13
Surplus Revenue:			
1918 and Prior Years		\$ 48,360.37	
			\$ 86,000.05

TOWN OF BILLERICA
BALANCE SHEET, DECEMBER 31, 1918
DEBT ACCOUNTS

Assets

Net Funded or Fixed Debt		\$201,830.55	
Sinking Funds:			
Cash and Securities:			
Water Works Loan	\$ 53,282.35		
Town Hall Loan	30,476.82		
School House Loan	21,910.28		
	-----	\$105,669.45	
		-----	\$307,500.00

TRUST ACCOUNTS

Assets

Trust Accounts	\$ 37,146.86	
	-----	\$ 37,174.86

TOWN OF BILLERICA
BALANCE SHEET, DECEMBER 31, 1918
DEBT ACCOUNTS

Liabilities

Funded Debt:

Water Works Loan	\$ 90,000.00	
Town Hall Loan	30,000.00	
School House Loan	25,000.00	
		\$145,000.00

Serial Loans:

Howe High School	\$ 76,500.00	
Water Works	73,000.00	
Bowers Fund Refunding	5,000.00	
Trustees Howe School Refunding	4,000.00	
Fordway Bridge	3,000.00	
Faulkner Street Bridge	1,000.00	
		\$162,500.00
		\$307,500.00

TRUST ACCOUNTS

Liabilities

Perpetual Care Funds:

Fox Hill Cemetery	\$ 6,381.45	
North	7,505.53	
South	2,465.30	
		\$ 16,352.28

Other Trusts:

Bowers Fund	\$ 17,996.71	
Abbott Fund	1,730.38	
Common Seat Fund	60.82	
Watering Trough Fund	34.17	
Winthrop Faulkner Fund	1,000.50	
		\$ 20,822.58
		\$ 37,174.86

EVERETT S. BULL,
Town Accountant.

HONOR LIST—TOWN OF BILLERICA MASSACHUSETTS

THE WORLD WAR

Baker, John Eben	Corporal, 4th Co., C. A. C., Fort Totten, Eastern N. Y.
Balmforth, Lillian	Yeowoman, 1st class, U. S. Naval Reserve, Little Building, Boston, Mass.
Barton, Edward D.	Co. M., 101st Infantry, A. E. F., France.
Barton, Thomas M.	356th Aero Squadron, Aviation Corps, A. E. F., France.
Battock, Thomas J.	Co. D., 249th Battalion, Camp Quebec, Province of Quebec, Canada.
Beard, Edward S.	U. S. Naval Reserve, Scout Patrol "Fearless," Newport, R. I.
Beard, Lawrence M.	U. S. Naval Reserve, Assistant Inspector, office of inspector of hull material, room 1007, Little Building, Boston.
Beers, Robert B.	Sergeant, 646th Co., Aero Squadron, A. E. F., France.
Beers, Roland T.	1st Lieutenant, Machine Gun Co., 302nd Infantry, 76th Division, A. E. F., France.
Belknap, Francis W.	Engineer Headquarters Co., Coast Artillery, Fort Warren, Boston Harbor.
Bergeron, Fred.	U. S. S. "Swanee," care of Postmaster, New York City.
Bicknell, John W.	354th Brigade Co., Quartermaster's Corps, A. E. F. France.
Biggerstaff, Fred. W.	Battery E., 13th Regiment, F. A. R. D., Camp Jackson, South Carolina.
Bosse, Joseph D.	Office Workers' Co. No. 1 Quartermaster's Dept., Camp Joseph E. Johnston, Jacksonville, Fla.
Bostwick, John W.	Corporal, Battery F., 102nd Field Artillery, 26th Division, A. E. F., France.
Boyd, Melvin F.	S. A. T. C., Co. A., West Hall, Tufts College, Medford, Mass.
Brodeur, Joseph, Jr.	12th Co., 3rd Battalion, 153rd Depot Brigade, Camp Dix, N. J.
Brown, Harry Dunlap	1st Lieutenant, Headquarters 18th Infantry, Regimental bombing officer, A. E. F., France.
Brown, Harvey Percival	Corporal, Co. E., Quartermaster's Dept., 1st Army Supply Train, A. P. O. 721, A. E. F., France.
Browning, J. Wilbert	Corporal, Battery E., 71st Regiment Coast Artillery Corps, 36th Artillery Brigade, A. E. F., France.
Bruso, Nelson F.	Battery B., 301st Field Artillery, A. E. F., France.
Buckley, Charles L.	Walter Reed General Hospital, Ward 74, Takoma Park, Washington, D. C.
Buckley, Frank	Co. H., 74th Infantry, Camp Devens.
Bull, Albert Sidney	Naval Aviation Corps, Massachusetts Institute of Technology, Boston.



Burnett, Charles John	Fort Totten, Eastern New York
Byron, George	Limited Service, 2nd Recruit Co., Fort Slocum, N. Y.
Callaghan, Fred. T.	S. A. T. C., Boston University.
Campbell, Robert R.	Naval Reserve, U. S. S. "Surf," S. P. 341, Commonwealth Pier, Boston.
*Casey, Frederick H.	"Gone Home."
Chandler, Neil W.	Radio Service, U. S. S. "Proteus," care Postmaster, New York City.
Clark, Frederic S., Jr.	Naval Reserve Corps, Bumpkin Island, Boston Harbor.
Clark, Lincoln	1st Lieutenant, Co. 1, 301st Infantry, A. E. F., France.
Coffey, Martin M.	Co. G., 21st Engineers, A. E. F., France.
Coffey, Michael J.	Coast Artillery, Ft. Williams, Portland, Me.
Coldicott, Francis S.	Battery C., 301st Field Artillery, A. E. F., France.
Collins, Jeremiah E.	Co. A., 306th Field Signal Battalion, A. E. F., France.
Collins, Patrick F.	Co. A., 104th Military Police, A. E. F., France.
Collins, William	Co. A., 101st Military Police, A. E. F., France.
Condon, Daniel J.	78th Engineers, A. E. F., France.
Condon, John T.	Co. K., 73rd Infantry, Camp Devens.
Condon, Richard F.	University of Vermont, Burlington, Vt.
Corkum, Gerald W.	No. 2,626,990, Canadian Forestry Corps, 13th Co., B. E. F., France.
Corriveau, Carl	Co. C., 104th Military Police, A. E. F., France.
Cowdrey, Frank E.	Sergeant, Co. B., Headquarters Train, Military Police, A. E. F., France.
Cowdrey, Wilfred W.	Co. G., 39th Infantry, A. E. F., France.
Cox, Eugene	9th Co., Coast Artillery, care Edwin Stanley, West Lebanon, Maine.
Daniels, Joseph F.	Battery B., 301st Field Artillery, 76th Division, A. E. F., France.
Davis, Warren A.	403rd Aero Squadron, Vancouver Barracks, Vancouver, Washington.
Davison, John Purley	23rd Battery, Field Artillery, Cadet Officers' Training School, Camp Zachary Taylor, Louisville, Ky.
Delmais, Joseph	1st Class Engine Man, U. S. S. "Philip," Commonwealth Pier, Boston.
DeLorey, David W.	3rd Co., Blue Jacket Guard, Naval Training Station, Newport, R. I.
DeLorey, Edward F.	Battery D., 101st Field Artillery, A. E. F., France.
Dickey, George Albert	Battery B., 16th Field Artillery, Camp Jackson, South Carolina.
Dignon, Frank Thomas	S. A. T. C., Tufts College, Medford, Mass.
Dignon, George H.	U. S. Submarine Base, New London, Conn.
Dimock, Dwight L.	Co. B., 6th Engineer Corps, A. E. F., France.
Dole, George Allison	Corporal, Battery C., 55th Regiment, Coast Artillery, A. E. F., France.

Donovan, John J., Jr.	Camp Joseph E. Johnston, Jacksonville, Fla.
Downs, William S.	1st Class Fireman, U. S. S. "Leviathan," Squad 7, Care Postmaster, New York City.
Doyle, Harry	1st Class Gunner's Mate, U. S. S. "Virginia," Care Postmaster, New York City.
Doyle, William	1st Class Gunner's Mate, U. S. S. "Virginia," Care Postmaster, New York City.
Dutton, Malcolm	Corporal, Construction Engineer, Co. E., 6th Engineers, A. E. F., France.
Dyson, C. George	Electrical Gunner, U. S. S. "Camden," Navy Yard, Philadelphia, Pa.
Eaton, Harold Ray	Co. B., 35th Engineers, A. E. F., France.
Eaton, Nyles Herbert	Co. B., 35th Engineers, A. E. F., France.
Elfstrom, Edward A.	Nurse, Psychopathic Ward, Medical Corps, Base Hospital, Camp Devens.
Ellis, Joseph W.	Naval Reserve, Battery Wharf, Boston.
Elwood, Charles H.	Medical Department, Ambulance Corps No. 8, Corozal, Canal Zone, Panama.
English, Michael L.	Returned home from U. S. Forestry Contingent, Rosshire, Scotland.
*Estey, Harold W.	(A. E. F., France.) "Gone Home."
Evans, Thomas W.	Cavalry, Fort Sam. Houston, Texas.
Fairbrother, Herbert A.	Battery D., 6th Anti-Aircraft Battalion, A. E. F., France.
Fairbrother, Joseph S.	Battery A., 6th Anti-Aircraft Battalion, A. E. F., France.
Farrell, Thomas	Co. K., 73rd Infantry, Camp Devens.
Finnegan, Miles J.	S. A. T. C., Holy Cross College, Worcester, Mass.
Finnegan, Waller P.	Co. C., 546th Service Battalion, Camp Humphreys, Va.
Fisk, Raymond M.	Co. F., 101st Infantry, A. E. F., France.
*Fisk, Robert L.	Corporal, Aviation Dept. "Gone Home."
Fitzner, Robert A.	Bugler, Co. D., 4th Infantry, A. E. F., France.
Forhan, Neil K., M. D.	1st Lieutenant, Medical Reserve Corps, Co. 28, Battery 7, Camp Greenleaf, Chickamauga Park, Ga.
Fralick, Leslie B.	U. S. S. "Lake Hunico." Care Postmaster, New York City.
Gannon, Lawrence A.	Corporal, 4th Co., 1st Battalion, 151st Depot Brigade, Camp Devens.
Gelinas, Roosevelt	Co. H., 348th Infantry, A. E. F., France.
Gordon, Vinal Hans	Merchant Marine, 170 Border St., East Boston.
Gracie, George S.	(Enrolled but not called.)
Graves, Harold S.	Co. C., 212th Field Signal Battalion, Camp Devens.
Greenleaf, Carlos W.	Medical Corps, Fort Slocum, N. Y.
Greenwood, Lawrence	Corporal, Motor Transfer Corps, Fort Bliss, El Paso, Texas.
Greyson, William S.	U. S. Marine Barracks, Pensacola, Fla.

- Gourke, Thomas A. 1st Provisional Co., Headquarters Detachment, 3rd Depot Division, A. P. O. No. 773, A. E. F., France.
- Gullage, Fred. C. Co. E., 1st U. S. Engineers, A. E. F., France.
- Hadley, Charles E. Co. 16, Coast Artillery, Fort Revere, Hull, Mass.
- Hadley, Richard F. Corporal, Battery F., 102nd Field Artillery, A. E. F., France.
- Hadley, Roger C. 103rd Ambulance Corps, 101st Sanitary Train, A. E. F., France.
- Hall, Allan Francis Co. 918, Unit S. A. U. S. N. O., Base, Hampton Roads, Va.
- Hall, Charles A. Army. (From Pinehurst.)
- Hamelin, Albert G. U. S. S. "Nevada." Care Postmaster, New York City.
- Hamelin, Arthur G. 15th Co., Coast Artillery, Brooklyn (South), N. Y.
- Hannah, Robert W. Sergeant, Co. B., 14th Railway Engineers, A. E. F., France.
- Hannon, George W. 2nd Lieutenant, Chemical War Service, American University Experiment Station, Washington, D. C.
- Hatch, Elmer F. Saddler, Battery F., 101st Field Artillery, A. E. F., France.
- Hayes, James Henry 106th Co., 26th Battalion, Recruiting Camp, Syracuse, N. Y.
- Hayes, John F. Aviation Corps, L. Squadron, Ellington Field, Houston, Texas.
- Hayes, Joseph F. Co. F., 14th Railway Engineers, A. E. F., France.
- Hayes, Michael J. Corporal, Aviation Corps, 656th Aero Squadron, A. E. F., France.
- Healey, William A. U. S. S. "Topeka." Discharged.
- Hentz, Charles F. Headquarters Co., 302nd Field Artillery, Camp Devens.
- Higgins, Frederick Naval Construction, 35 Inman St., Cambridge.
- Higgins, Francis C. Co. K., 73rd Infantry, Camp Devens.
- Higgins, James Patrick U. S. S. "James." Care Postmaster, N. Y. City.
- Higgins, Thomas Edw. 15th Co., 4th Battery, Syracuse, N. Y.
- Hodge, George Edwin Aviation Dept., School of Military Aeronautics, Atlanta, Ga.
- Holden, Leslie B. Battery B., 301st Light Artillery, A. E. F., France.
- Hollis, William 9967 A. P. M., 19th Corps, Headquarters Co., B. E. F., France.
- Holman, Carl Henry Headquarters Detachment, 2nd Corps, Camp Wadsworth, Spartansburg, South Carolina.
- Holmes, Orlando D. Co. B., 6th Engineers, A. E. F., France.
- Hosmer, Herbert B. Captain, Battery A., 71st Regiment, C. A. C., 36th Artillery Brigade, A. E. F., France.

Houghton, Robert R.	Sergeant, Supply Co., Quartermasters Dept., 101st Field Artillery, A. E. F., France.
Hudson, Joseph	19th Co., Coast Artillery, Fort Banks, Winthrop, Mass.
Hughes, George V.	15th Balloon Co., A. E. F., France.
Ireson, Edward	Co. C., 2nd Battalion, C. R. F., B. E. F., France.
Jennings, William T.	H. A. Philadelphia College of Pharmacy, 145 North Tenth St., Phila., Pa.
Johnson, Eric C.	Sergeant, Battery M., 6th Coast Artillery, Brigade A., A. E. F., France.
Johnson, Joseph A.	Battery F., 42nd Coast Artillery, A. E. F., France.
Jones, Alden C.	U. S. S. "Virginia." Care Postmaster, N. Y. City
Jones, Burleigh A.	Gunner, U. S. S. "Galveston." Care Postmaster, New York City.
Joseph, Thomas	Camp Jackson, South Carolina.
Kearney, Austin	Battery A., 71st Regiment, C. A. C., 36th Artillery Brigade, A. E. F., France.
Kearney, George	Band, 8th Infantry, Camp Fremont, San Francisco, Calif.
Kearney, Joseph P.	Submarine Base, New London, Conn.
Labrecque, William J.	Co. 1., 301st Infantry, A. E. F., France.
La France, Peter A.	335th Machine Gun Co., A. E. F., France.
Lacey, Peter	Battery F., 102nd Field Artillery, A. E. F., France.
Larratt, John Francis	Battery F., 102nd Field Artillery, A. E. F., France.
Le Blanc, Burine E.	U. S. S. "Canandaigua," U. S. Naval Base No. 18. Care Postmaster, N. Y. City.
Le Blanc, Ferdinand, Jr.	Medical Dept., 101st Infantry, A. E. F., France.
LeLacheur, Arthur J.	Corporal, Co. K., 73rd Infantry, Camp Devens.
LeLacheur, Paul J.	U. S. S. "Pennsylvania." Care Postmaster, New York City.
Lief, Eric O.	Battery C., 301st Field Artillery, Camp Devens.
Long, James Alfred	5th Co., 6th Regiment, Electric School, Naval Base, Hampton, Va.
Lyna, George B.	Quartermaster's Dept., A. P. O. 707, A. E. F., France.
Lyons, Alfred F.	12th Co., 3rd Battalion, 151st Depot Brigade, Camp Devens.
Lyons, Francis R.	U. S. Naval Aviation Headquarters, Hospital Corps, Pauillac, Girond Province, A. E. F., France.
Lyons, John J.	Battery A., 11th Regiment, F. A. R. D., Camp Jackson, Columbia, South Carolina.
Lyons, William J.	2nd Lieutenant, Student Instructor, Army Training Corps, Pennsylvania State College. (Address: State College, Pa.)
Mahoney, Everett M.	Holy Cross College Training School, Worcester, Mass.

Mahoney, Frank V.	Aviation Corps, care Merrill, Ring Lumber Co., Pysht., Washington.
Mahoney, Louis J.	Battery B., 301st Field Artillery, A. E. F., France.
Malloy, Patrick	1st Depot Brigade, Co. C., Eastern Barracks, Hamilton, Ontario, Canada.
Manning, Ralph E.	1st Lieutenant, Q. M. Dept., Headquarters S. O. S., American P. O. 717, Bureau of Fire Prevention, A. E. F. France.
Manning, Warren H., Jr.	Sergeant, Co. E., 26th Engineers, A. E. F., France.
Mason, Archibeld Lee	4th Co., Coast Artillery, Fort Hamilton, N. Y.
Maxwell, John B.	U. S. S. "Raleigh." Care of Postmaster, N. Y. City.
Mears, Edward C.	310th Engineers, 85th Division, A. E. F., France.
Messer, Ralph W.	Corporal, Co. A., (Headquarters Troop), Military Police, 101st Regiment, 26th Division, A. E. F., France.
Metcalf, Warren E.	Co. K., 73rd Regiment, Camp Devens.
Monahan, Henry	Co. B., 120th Infantry, A. E. F., France.
Moran, James Albert	Quartermaster's Corps, Camp Upton, Long Island, N. Y.
Morley, Raymond F.	Battery F., 102nd Field Artillery, A. E. F., France.
McDermott, Nelson J.	Machinist's Mate, 2nd class, Naval Training Station, Newport, R. I.
McElman, Clarence E.	Sergeant, Quartermaster's Dept., Fort Standish, Boston Harbor.
*McGrath, William H.	(A. E. F., France.) "Gone Home."
McMillen, Edward	Sergeant, Headquarters Co. No. 343, Field Artillery, A. E. F., France.
McMillen, William N.	1st Co., Coast Artillery, Fortress Monroe, Va.
McNulty, Frank J.	Sergeant, Co. A., 1st Battalion, 14th Railway Engineers, A. E. F., France.
McSweeney, Daniel V.	Sergeant, 2nd Co., 2nd Motor Mechanics' Regiment, A. P. O., No. 713, A. E. F., France.
McSweeney, John J.	Motor Truck Co., No. 537, A. E. F., France.
Nason, Thomas W.	Sergeant Major. Headquarters. 41st Dept. Division, 1st Corps, A. E. F., France.
Nason, Walton H.	2nd Lieutenant, 21 1st St., N. E., Washington, D. C.
Newell, Isaac C., Jr.	Ninth Co., 6th Regiment, Naval Training Station, Newport, R. I.
Nickerson, Thomas Q.	Mechanic, Battery F., 102nd Field Artillery, A. E. F., France.
O'Brien, Charles	Aviation Corps, 287th Aerial Squadron, Chonute Field, Rantoul, Ill.
O'Brien, John J.	Ordnance Dept.
O'Brien, James	U. S. S. "Dingley," Castine Bay, Md.
Ouellette, Fred O.	Co. K., 73rd Infantry, Camp Devens.

Parkinson, Warren L.	29th Co., Aero Service Squadron, Brookfield, San Antonio, Texas.
Pasho, George	Coast Artillery, Fort Washington, Md.
Poirier, Joseph W. G.	Franklin Union, Boston.
Porter, Edward L.	Co. M., 101st Infantry, A. E. F., France.
Potvin, J. Leo	12th Co., 4th Battalion, 8th Regiment, Naval Training Station, Newport, R. I.
Pyne, David H.	Captain, Engineer Corps, Engineer's Office, Washington, D. C.
Pyne, David V.	Co. A., Sixth separate Battalion, U. S. Marine Corps, A. E. F., France.
Pyne, Henry M.	Gunnery Sergeant, Aeronautics Department, U. S. Navy Aeronautics Station, Miami, Fla.
Ranlett, Charles A.	Second Battalion, 303rd Infantry, P. O. 773, A. E. F., France.
Raymond, Arthur W.	Limited Service, Second Recruit Co., Fort Slocum, N. Y.
Richardson, J. Dana	Medical Detachment, 74th Inf., Camp Devens.
Riley, Thomas J.	Coast Artillery, Fort Warren, Boston Harbor.
Ritchie, Charles L.	Electrician, U. S. Naval Camp, Deer Island, Boston Harbor.
Ritchie, Newell A.	1st Sergeant. (Master Signal Electrician.) American Aviation Detachment, U. S. A. P. O. 738, A. E. F., France.
Schult, Carl Anton	19th Railway Engineers, A. E. F., France.
Schult, Gustaf Adolf	Enlisted Men's Club, Robbins Pond, Camp Devens.
Schuman Joseph H.	Chief Warrant Officer, Hull Division, Charles-town Navy Yard.
Schwartz, James F.	1st Class Machinist's Mate, Inspector of Hull Material, Little Building, Boston.
Sennott, Edward M.	Commanding Officer, U. S. S. "Sayonara," 521 Commercial St., Boston.
Sennott, William H.	Sergeant, Co. W. (machine gun), 301st Infantry, Camp Devens.
Shea, Patrick F.	U. S. S. "Mount Vernon," care Postmaster, N. Y. City.
Sheehan, John J.	Corporal, Battery A., 319th Field Artillery, Camp Gordon, Atlanta, Ga.
Shepard, Ernest R.	Quartermaster's Dept., Camp Hill, Newport News, Va.
Sherry, William Leo	Medical Replacement Unit No. 27, Base Hospital, A. E. F., France.
Silansky, Andrew	F. and R. C. D., Hamilton, Ontario, Canada.
Simpson, Edwin P.	Machinist's Mate, U. S. S. "Mount Vernon," care Postmaster, N. Y. City.
Simpson, Willard H.	Co. M., Fourth Pioneer Regiment, Camp Wadsworth, Spartansburg, South Carolina.
Skane, Richard A.	1st Sergeant, Co. B., 14th Railway Engineers, A. E. F., France.
Smith, James E.	Co. M., 101st Infantry, A. E. F., France
Smith, John	Sixth Co., Fort Slocum, N. Y.

Smith, Norman S.	Co. K., 104th Infantry, A. E. F., France.
Smith, Thomas J.	Medical Corps, Field Hospital Unit No. 30, A. D. A., P. O. No. 745, A. E. F., France.
Smith, William	Canadian Service.
Snelling, Ralph B.	Sergeant, Co. B., 14th Railway Engineers, A. E. F., France.
Soutter, James	Co. 5, Coast Artillery, Fort Moultrie, S. C.
Spencer, Robert Earl	S. A. T. C., Co. A., West Hall, Tufts College, Medford, Mass.
Stankiewicz, Alexander	Field Artillery, Battery B., 1st Regiment, Camp Jackson, South Carolina.
Stankiewicz, John	17th Co., Fort Greble, R. I.
Stearns, A. W., M. D.	1st Lieutenant, Assistant Surgeon, Consulting Psychologist, U. S. Naval Training Station, Mare Island, San Francisco, Calif.
Stevens, Edwin S.	36th Co., 9th Battalion, Provost Guard, Camp Devens.
Stevenson, Elmer H.	(Supply Sergeant.) Co. A., 43rd Engineers, A. E. F., France.
Sullivan, Henry E.	Wagoner, 101st Engineers, A. E. F., France.
Sullivan, Joseph D.	Chief Cook, Battery B., 301st Field Artillery, A. E. F., France.
Surette, David H.	Recruiting Camp, Syracuse, N. Y.
Switzer, Gilbert N.	Corporal, 18th Field Artillery, Headquarters Co., A. E. F., France.
Symmes, Forrest C.	
Tandy, Everett J.	Camp Devens.
Thayer, Elwyn C.	Co. 89, 22nd Battalion, Recruiting Camp, Syracuse, N. Y.
Tivey, Harold E.	Battery A., 335th Field Artillery, A. E. F., France.
Turner, Arthur F.	Battery B., 301st Field Artillery, A. E. F., France.
Turner, Harry W.	Quartermaster's Dept., Motor Truck Unit No. 363, 2nd Supply Train, A. P. O., 710, A. E. F., France.
Turner, Russell S.	Naval Reserve, U. S. Naval Aero Station, Miami, Fla.
Van Valkenburg, Fred E.	Co. K., 64th Regular Infantry, Fort Bliss, El Paso, Texas.
Valyou, Lylia I.	U. S. S. "Corsair." Care Postmaster, N. Y. City.
Venn, Charles F.	17th Co., 5th Depot Brigade, Officers' Training Camp, Lee, Va.
Warburton, Andrew L.	Naval District Base, State Pier, Receiving Barracks, New London, Conn.
Waterhouse, John W.	Corporal, Construction Troop Depot, Niagara-on-Lake, Niagara, Ontario, Canada.
Welcome, Albert A.	Medical Detachment, 146th Infantry, A. P. O., No. 763, A. E. F., France.
Wetherbee, Howard E.	U. S. Naval Supply Office, Naval Base, Brest, France.

- Williams, Charles S. Headquarters Co., 7th Division, 80th Field Artillery, A. E. F., France.
- Winship, Leslie V. Sergeant, 304th Motor Truck Co., General Headquarters, A. P. O., No. 706, A. E. F., France.
- Winslow, Forrest F. Naval Training Camp, Hingham, Mass.
- Wright, Ralph D. Battery C., 101st Field Artillery, A. E. F., France.
- *Wright, Winthrop A. (A. E. F., France.) "Gone Home."
- Young, Walter L. 2nd Class Seaman. Care Y. M. C. A., Brooklyn, N. Y.
- Yarrington, Eugene N. 2nd Class Yeoman, Burgess Factory No 1, Naval Reserve, Inspector of Costs in Accounting Dept., 17 Franklin St., Marblehead, Mass.
- Zercowska, Joseph U. S. S. "Chester." Care Postmaster, N. Y. City.
- Zetterburg, Eric 8th Co., 2nd Battalion, Depot Brigade, Camp Devens.

ANNUAL REPORTS
OF THE
School Committee

AND THE
Superintendent of Schools
of Billerica, Mass.

INCLUDING THE
REPORTS OF
SUPERVISORS AND MEDICAL INSPECTOR, CORPS
OF TEACHERS, SCHOOL CALENDAR, Etc.

For the School Year Ending December 31, 1918

SCHOOL COMMITTEE

Organization

MAURICE A. BUCK, Chairman
Term expires 1919

Tel. Billerica 16

P. B. KIRSCHNER
Term expires 1920

Billerica

J. FREDERICK GANNON
Term expires 1921

Tel. Billerica 93

Superintendent of Schools

EUGENE C. VINING

Residence: Concord Road and Charnstaffe Lane
Office: High School Building

Tel. Billerica 100
Tel. Billerica 52-3

Office Hours: 8.00 to 9.00 a. m. and 1 to 2 every school day. May generally be seen at residence between 6 and 8 p. m. of school days.

School Physician

DR. MAURICE A. BUCK

Attendance Officers

FRANK S. BARTLETT

WILLIAM S. TAYLOR

Regular meetings of the School Committee are held at the High School Building on Thursday evening preceding the first Monday of each month, except August, at 8 o'clock.

SCHOOL CALENDAR, 1919

Closes April 11—Spring recess.
 Opens April 21.
 Closes June 27—Summer vacation.
 Opens September 8.
 Closes November 26—Thanksgiving recess.
 Opens December 1.
 Closes December 19—Christmas recess.
 Opens December 29.

No-School Signals

At 7.30 A. M. to indicate no session of the Howe High School.
 At 7.50 A. M. to indicate no session of the Talbot and Pollard Schools.
 At 11.20 A. M. to indicate that the morning session will be extended to 12.40, and no further afternoon session.

Census 1917

	Boys	Girls	Total
No. of children between 5 and 7 years of age	72	88	160
No. of children between 7 and 14 years of age	282	286	568
No. of children between 14 and 16 years of age	58	62	120
No. of children between 5 and 16 years of age	412	436	848

Report of Attendance Officers

House calls or investigations	32
Truants	21
Kept at home by parents because of sickness	37
Kept at home by parents, unsatisfactory excuses	24
Kept at home by parents, satisfactory excuses	14
Unsuitable clothing	5
Taken from streets and put in school	12
Working under age or without certificate	7
Parents or pupils warned	18
Cases taken to Court	1

F. S. BARTLETT
 WM. S. TAYLOR

ENROLLMENT BY GRADES DEC. 1, 1918.

Howe High			
Twelfth	5	13	18
Eleventh	7	16	23
Tenth	17	20	37
Ninth	22	30	52
Eighth	23	29	52
Seventh	39	39	78
Specials	1	1	2
Total	114	148	262

Pollard			
Sixth	19	19	38
Fifth	22	16	38
Fourth	13	14	27
Third	16	20	36
Second	15	20	35
First	34	30	64
	119	119	238

Talbot			
Sixth	18	17	35
Fifth	18	24	42
Fourth	28	32	60
Third	27	20	47
Second	28	20	48
First	19	22	41
Total	138	135	273
Grand total	371	402	773

REPORT OF SCHOOL COMMITTEE

To the Citizens of Billerica:

We beg leave to make the following report for the year 1918:

During the past year we were obliged to keep the schools closed for an unusually long period on account of the influenza epidemic. While it is impossible for the children to make up all of the lost time, it is the urgent request of the committee that the parents make it possible for the children to study at home so that they may attain the required average.

It is with deep regret and sorrow that we report the death of two of our teachers during the past year, Miss Martha Page and Miss Florence Molony.

At the beginning of the school year an increase in salary was granted to our teaching staff as well as the janitors.

The pupils to be transported are steadily increasing in number. During the year it was found necessary to transport children from the Hillcrest District to the Talbot School, also those from Central Park District to the Pollard School and in the near future it will be necessary to further

extend the transporting of children to the outlying districts. Owing to the increase in electric car fares which in some cases amounts to 100 per cent., as well as the ever increasing demand for transportation, for the coming year the cost of transportation will amount to \$2,000.00 in excess of that paid in 1918.

On account of war conditions as well as the high cost of labor and material, which in some cases has increased more than 100 per cent., but few minor repairs have been made this year, consequently, the money which should have been used for repairs, the committee thought more advisable to turn back to the town until a later date when times are more normal and work can be done for at least half the amount it costs at the present time.

The following improvements have been made during the past year. As it was necessary to open a new grade at the Talbot School one room was equipped with new furniture. Two of the trees were cut down in front of the Pollard school which adds to the appearance of the grounds. Shrubbery was planted at the Howe school in the front lawn which will no doubt beautify the grounds very much. Work of the grounds in the rear of the High school was deferred until a later date for the same reason, as stated above.

Owing to the steady increase in attendance, the extra teachers therefore necessary, the high cost of supplies, also the increase in car fares and salaries, your committee would recommend that the sum of \$41,000.00 be raised and appropriated for the year ending December 31, 1919, and that the sum of \$500.00 for medical attendance and the unexpended balance be added to the above amount.

In closing we wish to thank in a special manner the superintendent of your schools for the faithful manner in which he has served you during the past year. By his energy and zeal, also his close application to work he has won the honor and admiration of educators throughout the state and brought the efficiency of the Billerica schools to a point where they are second to no town of its size in the state.

We also wish to thank the teachers and janitors for their faithfulness to duty, also the public and parents of the children who have so heartily co-operated with us during the past year.

Respectfully submitted,

MAURICE A. BUCK
JOHN F. GANNON
P. B. KIRSCHNER

School Committee.

REPORT OF THE SUPERINTENDENT OF SCHOOLS

To the School Committee of Billerica:

Gentlemen:—This is my fourth annual report, and the twenty-ninth in the series of reports made by the Superintendent of Schools to the School Committee of Billerica.

It has required, as you fully realize more than usual study and effort to maintain standards in school work during the past year.

The increased cost of supplies and labor and the broken conditions caused by war and pestilence have borne no less heavily upon educational

than upon other lines of work. The interruptions to which our work has been subjected now for four successive years make the best results a goal toward which we are still striving.

We have attempted to meet the many requests made by national, state, and local interests in a spirit of patriotism and sacrifice.

The schools have had their part in the numerous drives and campaigns which the exigencies of the times have forced upon us.

In May a High School service flag with forty stars was dedicated and the number has now increased to sixty-one stars beside six former members of the school who have entered the Student Army Training Corps. The High School contributed ninety dollars to the Red Cross and four hundred twenty-five dollars to the United War Work; the Talbot school \$40.71 and the Pollard school \$23.66. All the schools have been buying War Saving Stamps throughout the year and between \$4,200 and \$4,300 have been purchased by the school children.

Employment Certificates

The unusual demand for labor and high wages have called into the industries many who would otherwise have been in school. The employment certificates issued have been even more than last year as the following figures show.

	Home Permits	Vacation	14 to 16 years	16 to 18 years	18 to 20 years	Total
1917	0	37	69	101	151	388
1918	2	44	79	183	147	455

The recent canvass made by the state shows a percentage in the state of 5.2 illiterates above ten years of age. Middlesex County with a per cent. of 3.2 illiterates is second to Norfolk only, while Billerica has thirty-seven illiterates or only one per cent., a record equalled by very few municipalities in the state.

Transportation

The question of transportation is one of the most perplexing which the School Department has to meet. The unsettled conditions have brought abrupt and frequent changes both in trolley and barge lines. The cost has become increasingly burdensome and the service far from satisfactory. The permanent discontinuance of the East Billerica and Wilmington line has made transportation by barge from East Billerica, for an increasing number of children, a necessity. The changing of contracts on barge routes with the hope of improving conditions has brought no relief. The East and West Billerica conveyances are wholly inadequate, and satisfactory service on these routes can be given only by providing proper vehicles.

Transportation to the Talbot School has been extended to children of Grades I to VI in the Hillcrest, Sheldon St., and Mechanics Park sections.

After several conferences in the spring with a representative of the State Board of Education the following rules were adopted:

"Car tickets shall be provided for children of Grades I, II, and III who live more than one mile from the school attended; for children of Grades IV, V, and VI who live more than one and one-fourth miles away; and for pupils of Grades VII to XII who live more than one and one-half miles from school. Limits shall be determined by measurements taken by the School Committee July 7, 1918."

Trolley fares on all lines have been increased during the year and we are facing in the immediate future an increase on the Bay State lines which will nearly double the present high rate. Transportation is given at present to 442 pupils, 284 by trolley, 158 by barge as follows:

To the Howe School

Number of Pupils by Grades	VII	VIII	IX	X	XI	XII	Total
From North Billerica	41	25	27	13	9	4	119
From Shawsheen	11	8	1	5	3	4	32
From East Billerica	8	2	5	1	2	0	18
From West Billerica	2	3	2	2	0	1	10
From South Billerica	2	1	0	0	0	0	3
From Central Park	1	0	1	0	0	0	2
	—	—	—	—	—	—	—
	65	39	36	21	14	9	184

To the Pollard School

Number of Pupils by Grades	I	II	III	IV	V	VI	Total
From Shawsheen	27	11	11	9	18	9	85
From East Billerica	8	4	7	3	6	6	34
From West Billerica	3	2	5	1	6	4	21
From Jones's Corner	0	0	3	1	1	1	6
From South Billerica	1	1	3	0	0	2	7
From Central and Park and Salem Road	2	3	1	5	2	2	15
	—	—	—	—	—	—	—
Total	41	21	30	19	33	24	168

To the Talbot School

Number of pupils by grades	I	II	III	IV	V	VI	Total
From Sprague's Bridge	4	5	2	4	3	1	19
From High Street	7	5	2	6	2	1	23
From Hillcrest and Mechanic's Park	8	13	8	4	9	6	48
	—	—	—	—	—	—	—
Total	19	23	12	14	14	8	90

Number Transportations to

	Howe	Pollard	Talbot	Total
From Shawsheen	32	85	—	117
From North and Jones's Corner	119	6	—	125
From East Billerica	18	34	—	52
From West Billerica	10	21	—	31
From South Billerica	3	7	—	10
From Central Park	2	15	—	17
From all directions	—	—	90	90
	—	—	—	—
Total	184	168	90	442

In a year when so many towns have suffered the loss of a large part of their teaching force, we have been fortunate to have so few changes. Miss Mary A. Preble and Miss Kathrina Bryant were married during the summer and Miss Georgia T. Hamilton did not return. We record with deep regret the untimely death of two of our teachers in the full vigor of their usefulness: Miss Martha F. Page in March, and Miss Florence H. Molony in October. Miss Ethel Schoonmaker, a Radcliffe graduate of six years' experience and Miss Sylvia C. Stoddard, a graduate of Smith with nine years' experience, took up their duties in the High School in September. Miss Celia Gordon, a graduate of Bryant and Stratton's, who had previously taught three years succeeded to the vacancy caused by the death of Miss Molony. Miss Sadie I. Burgess was transferred to the third grade of the Pollard school. Miss Mary E. Kearney was elected to succeed Miss Burgess and Miss Mary M. Cassidy was given charge of an overflow room of grades III and IV at the Talbot school. A leave of absence from January 1 for the remainder of the school year has been granted to Miss Rita M. Collins.

On account of the high cost of living a "war-time increase of fifty dollars" in addition to the regular salary was granted to all women teachers.

In Memoriam

MARTHA F. PAGE

Died March 21, 1918.

In recognition of twenty-three years of devoted service to the children of the Pollard school.

FLORENCE H. MOLONY

Died November 16, 1918.

From September, 1917, to November, 1918, a teacher in the Howe High School.

The following course of study for the High School was adopted and is now in use. The elimination of German was a natural process. Higher institutions for which our pupils are preparing so modified their entrance requirements as to make German no longer essential, and the subject was not elected by the pupils.

COLLEGE PREPARATORY COURSE

REQUIRED SUBJECTS

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
English I	*3	English III	English IV
Latin I	5	Latin III	Latin IV
Algebra I	5	Review Algebra	French III
Ancient History	5	Review Geometry	Music
Music	1 ½	French II	
		Music	

ELECTIVE SUBJECTS

General Science	5	4	1 ½	†Chemistry	7	5	Physics	7	5
Manual Training	2	1		†Physics	7	5	Chemistry	7	5
Cooking	3	2		†American History	5	5	†American History	5	5
Drawing	1	½		†English History	1	½	†English History	3	2½
				Drawing			Solid Geometry	1	½

*First column of figures, indicates recitations per week.

†Second column of figures, indicates points for diploma.

‡Given in alternate years.

TECHNICAL COURSE

REQUIRED SUBJECTS

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
English I	*5 English II	English III	English IV
Algebra I	5 5 Plane Geometry	French II Review Algebra	French III
General Science	5 4 French I	Review Geometry	Solid Geometry
Music	1 ½ Music	†Chemistry } †Physics }	†Chemistry } †Physics }
		Music	Music
		1 ½	1 ½

ELECTIVE SUBJECTS

Latin I	5 5 Latin II	†American History	Latin IV
Ancient History	5 5 Community Civics	†English History	†American History
Manual Training	2 1 Drawing	Latin III	†English History
Cooking	3 2	Drawing	Drawing
Drawing	1 ½	1 ½	1 ½

*First column of figures, indicates recitations per week.

†Second column of figures, indicates points for diploma.

‡Given in alternate years.

COMMERCIAL COURSE REQUIRED SUBJECTS

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
English I	*5 †5	English III	Commercial English
Commercial Arith.	5 5	Bookkeeping	Stenography II
General Science	5 4	Stenography I	†Business Law
Penmanship	§2	{	†Commercial Geogr
Spelling	5 2		Typewriting III
Music	1 ½		Typewriting III
		Music	Music

ELECTIVE SUBJECTS

Manual Training	2 1	French I	5 5	French III	5 5
Sewing	2 1	Manual Training	2 1	†American History	5 5
Cooking	3 2	Sewing	2 1	†English History	5 4
Drawing	1 ½	Cooking	3 2	Bookkeeping III	7 5
		Drawing	1 ½	Chemistry	1 ½
				Drawing	

*First column of figures, indicates recitations per week.

†Second column of figures, indicates points for diploma.

‡Given in alternate years.

§Additional point for securing Palmer Diploma.

GENERAL COURSE

REQUIRED SUBJECTS

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
English I	*5 †5	English III	English IV
General Science	5 4	†English History } †American History }	5 5 †American History } †English History }
Music	1 ½	Music	Music
		1 ½	1 ½

ELECTIVE SUBJECTS

Algebra I	5	Plane Geometry	5 5	Review Algebra	3	Solid Geometry	3 2½
Commercial Arith.	5 5	Latin II	5 5	Review Geometry	5	Latin IV	5 5
Latin I	5 5	French I	5 5	Latin III	2 5	French III	5 5
Spelling } Penmanship }	§2 5	Cooking	3 2	French II	5 5	†Chemistry } †Physics }	7 5
Cooking	2 2	Sewing	2 1	†Chemistry	7 5	†Business Law	5 5
Sewing	2 1	Manual Training	2 1	†Physics	2 1	†Com. Geography	5 5
Manual Training	2 1	Drawing	1 ½	Sewing	1 ½	Drawing	1 ½
Drawing	1 ½			Drawing			

A pupil in the General Course must take a Science, Mathematics or a Foreign Language each year.

*First column of figures, indicates recitations per week.

†Second column of figures, indicates points for diploma.

‡Given in alternate years.

§Additional point for securing Palmer Diploma.

Whenever the demand warrants the giving of a course in Household Arts the following outline is suggested:

REQUIRED SUBJECTS

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
English I Arithmetic or Algebra	English II Community Civics	English III Chemistry	English IV History { American English
General Science	Household Arts II	Household Arts III	Household Arts IV
Household Arts I	(a) Household Manag't	(a) Physiology	(a) Cooking from Analytic Standpoint
(a) Plain Cooking	(b) Household Sanitation	(b) Elementary Nursing	(b) Food and Dietetics
(b) Sewing & Textiles	(c) House Decoration	(c) Cook for Invalid	(c) Advanced Sewing
Music	(d) Cooking	(d) Economics	(d) Art
	(e) Sewing	(e) Millinery	Music
	(f) Laundering	Music	
	Music		

ELECTIVE SUBJECTS

Ancient History	Latin II	Latin III French II	Latin IV
Latin I	French I	History { English American	French III
Drawing	Drawing	Drawing	Physics

*First column of figures, indicates recitations per week.

†Second column of figures, indicates points for diploma.

‡Given in alternate years.

School Lunch

Last year's experiment in giving a hot lunch three days a week to one hundred and twenty high school pupils seemed, in spite of the high cost of materials and scarcity of sugar, to warrant the attempt to give its benefits to the two hundred and sixty pupils in the building every school day. The two objections cited in last year's report to the classes in cooking serving this lunch viz (1) restriction in variety of cooking done in the classes, (2) too much time of pupils taken from other work and too great a tax upon the time and strength of the instructor has been met by the employment of a woman who assists in the preparation, serving and clearing away. About two hundred pupils receive daily the whole or a part of their lunch.

This work is done entirely independent of school funds and receipts only cover expenses.

Orchestra

During the past three years an attempt has been made to maintain a school orchestra. While something has been accomplished, too frequently the whole organization has been disrupted through the best players being graduated. While to some extent this difficulty must always be met in a school organization, this year an attempt is being made to recruit the players from the younger pupils. As a feeder to the orchestra a violin class of sixteen members, mainly from grades six, seven and eight has been meeting weekly under the instruction of Miss Brennan of Lowell. While it is too early to measure results, we hope through this means to develop an orchestra which shall be a credit to the school, of help to the players and of service in the town. The supervisor of music has given her time unstintingly and is deserving of all support possible.

Work in music under a competent instructor might well be allowed some credit toward graduation. A mandolin club has been formed which has given several excellent programs in connection with the various school activities.

The plan from last year's report is inserted again as a possible treatment of the grounds in the rear of the High School building for athletic purposes. As soon as the cost of labor and construction is on a normal basis, it is very desirable that something should be done to give our young people a suitable place for out of doors sports and amusements. At the present time there is not a public base ball field in town. While other needs are more urgent it would not seem advisable to equip the playroom with apparatus. Indoor physical exercises for children should have careful supervision, else more harm than good may result. The bill before the General Court for the last two years making physical training under a competent supervisor compulsory is likely to be passed this year and plans are already being made to meet the situation. Not to make muscle, but to develop control of muscles, to teach pupils to walk properly, to sit and stand with poise, and to take proper care of their bodies and health is the aim of physical culture in the schools.

At graduation last year a new plan was adopted. As the Alumni Association omitted its usual reception and banquet, a Senior spread was held at which the more humorous parts, formerly delivered at the gradua-

tion were given. The graduation exercises were thereby raised to a more dignified plane, more time was given for music, and a somewhat too lengthy program shortened. This departure apparently met with the approval of all and is recommended as a desirable change.

The desirability of a longer school day at the High School was pointed out in last year's report. Difficulties previously preventing have been overcome to make this possible. The sessions now begin at 8.30 o'clock and extend to 2.07 with Manual Training, Cooking, Sewing and Typewriting classes running until 3 o'clock. Cooking has also been given to the girls of the eighth grades. In the attempt to make up some of the time lost through closing on account of the influenza the present school day will be lengthened in the grades fifteen minutes and in the high school thirty minutes.

The following letter sent to the parents of all eighth grade children explains the changes and reasons for the same in the work of this grade.
To Parents of Eighth Grade Children:

Every year pupils passing from the eighth grade to the high school are more or less perplexed by the difference in the method of departmental instruction in the high school and by an almost entire change of subjects from those of the grades.

Many pupils on entering the high school have no definite plans for their future and do not know what subjects they should select. Up to the time of entrance to the high school studies have been prescribed for the pupil. In high school he must choose his own courses.

With the hope of helping him to do this wisely, of giving him a chance to try out courses and to become accustomed to departmental work before actually entering high school, a slight change will be made in the work of the last half of the eighth grade. Pupils who intend to go into commercial or industrial lines or to leave school before completing the high school course are offered, in connection with their English, business correspondence and the arithmetic will be made practical, every-day, business arithmetic. Those who expect to go to college, technical, textile or normal schools will take in connection with their arithmetic a small amount of algebra and with their English each day twenty minutes of Latin.

After this half-year try-out with these subjects, if a pupil feels that he has made a mistake, or is not qualified to carry on a particular subject or course it is possible for him to change his course on entering the high school in September without loss of time. At the present time not a few pupils in the first year of high school begin subjects only to find later in the year that they are ill-adapted to continue them, but to change means the loss of a year's time. This is one of the features which has commended the Junior High movement.

If you can help the pupil in whom you are particularly interested to decide what his future interests demand you will greatly aid him and the school. Teachers will be glad at any time to talk and advise with parents.

On account of the wide difference in the ages and maturity of the pupils in grade I, the age of entrance has been raised. Pupils entering this grade in September, must have reached the age of five years not later than the preceding April. The enrollment of thirty-seven this year at the Faulkner Kindergarten is a gratifying increase. With the long service of Miss Griffin and Miss Webster a most excellent school has been de-

veloped and the town's people do well to show a growing appreciation of such benefactions.

Acknowledgment is made for favors as follows:

To the Nineteen Hundred Club—through whose kindly initiative a contribution was made as the nucleus of a fund, later added to by friends and pupils to place in her school room a suitable memorial to the memory of the late Martha F. Page. To the class of 1918 a 4 ft. x 6 ft. photo-gravure of Stratford on Avon.

To Mr. and Mrs. P. B. Kirschner: A Maine Moose Head, a Nova Scotia Caribou Head and two pictures of the Battle of Bunker Hill.

For addresses:

Dr. Payson Smith, Com. of Education.

Prof. C. F. Rittenhouse, Boston University.

Mr. Chester R. Stacy, Bridgewater Normal School.

Miss Frances Clark, Lowell Normal School.

Mr. A. B. Merchant, U. S. A. of Camp Devens.

Rev. Walter H. Daggett.

Your careful consideration of the reports of the several supervisors, of the medical inspector, and of the two charts is asked.

In conclusion, I wish to express to the teachers and other employees of the department my appreciation of their co-operation, to you for your loyal support and advice in carrying on the work of the schools, and to the town's people for their backing both financial and moral.

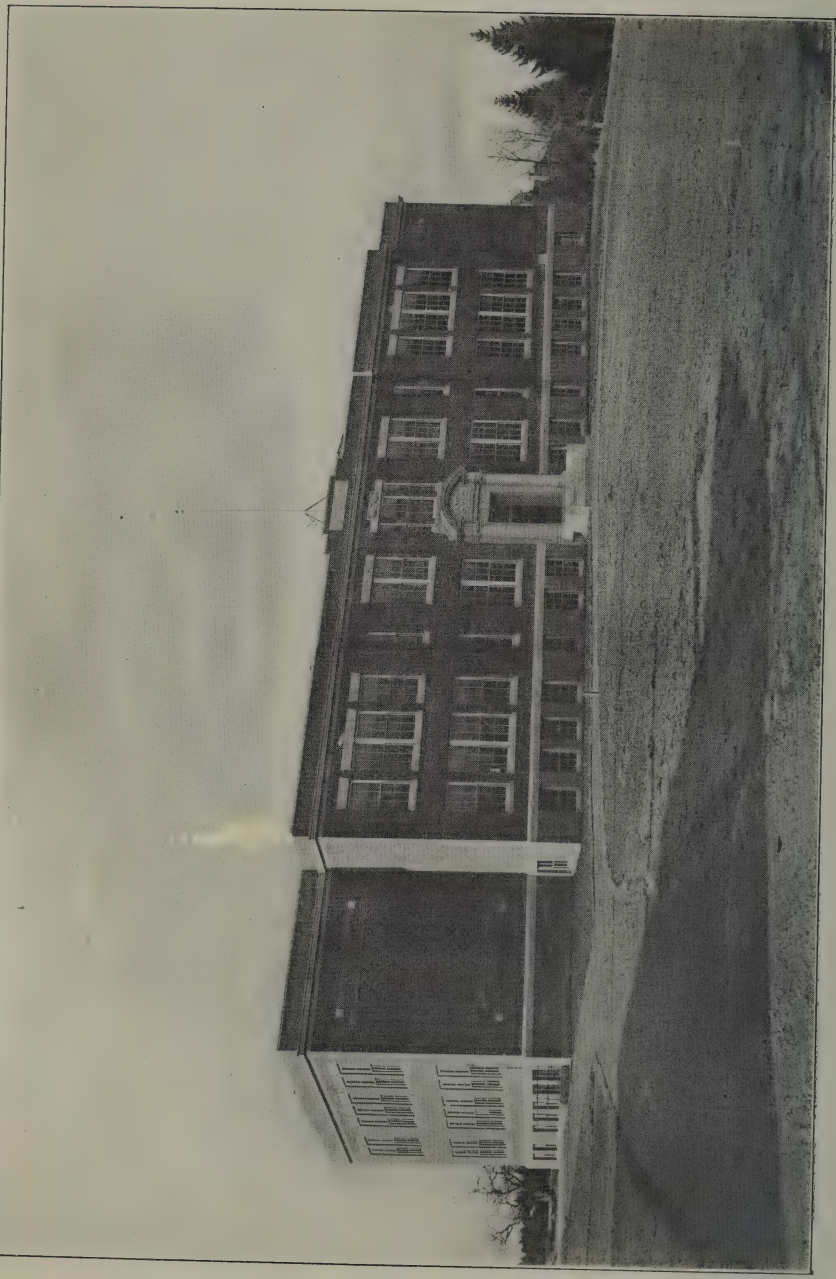
Respectfully submitted,

Jan. 2, 1919.

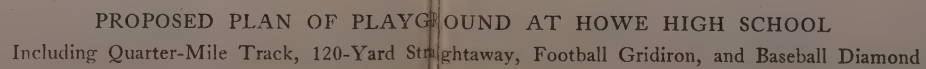
EUGENE C. VINING.

Of the 773 children now in Billerica schools, 303 (39 percent.) have entered from the schools of other towns at the age and in the grade shown below.

Age At Entrance	GRADE ENTERED												TOTAL
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
5	22												22
6	14	8	1										23
7	10	21	17	2									50
8	4	7	21	8	2								42
9	2	1	20	16	10	1							50
10		1	6	7	11	6							31
11		1	0	6	6	7	4						24
12		1	1		4	8	6	3	1				24
13					1	2	5	6	3				17
14					1	1	2	4	2	1			11
15									1	3	1		5
16									1	2			3
17											1		1
TOTAL	52	40	66	39	35	25	17	13	8	6	2		303



HOWE HIGH SCHOOL



PROPOSED PLAN OF PLAYGROUND AT HOWE HIGH SCHOOL
Including Quarter-Mile Track, 120-Yard Straightaway, Football Gridiron, and Baseball Diamond

Grade		Age															Total	
		5½	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
I	B	11	21	17	2	1	1										53	105
	G	8	24	14	5	1											52	
II	B		7	14	14	3	5										43	83
	G		10	16	9	2	3										40	
III	B			9	12	8	7	3									39	83
	G			9	22	11	1	1									44	
IV	B				7	13	12	8	4	1	1						45	92
	G				10	15	12	5	3	2							47	
V	B					10	13	7	7		1						38	77
	G				4	12	14	4	3	2							39	
VI	B					2	14	9	9	2	1						37	73
	G					3	10	16	5	2							36	
VII	B						9	13	13	4							39	78
	G					2	10	17	6	4							39	
VIII	B							1	8	7	6	1					23	52
	G							2	9	12	4	2					29	
IX	B								1	9	6	5		1			22	52
	G								1	13	9	5	2				30	
X	B										6	8	3				17	37
	G									1	12	4	2	1			20	
XI	B											1	4	1	1		7	23
	G										3	8	5				16	
XII	B											1		2	1	1	5	18
	G												6	4	3		13	
Total	B	11	28	40	35	37	52	37	42	32	24	16	7	4	2	1	368	
	G	8	34	39	50	44	42	38	38	38	32	19	15	5	3	0	405	
		19	62	79	85	81	94	75	80	70	56	35	22	9	5	1	773	773

Age—Grade Distribution of Pupils December 10, 1918.

Numbers in heavy lines indicate pupils of normal age for their respective grades; numbers below pupils under normal age, and numbers above heavy lines pupils over normal age. Note falling off in attendance at fourteen years, the earliest legal age of employment.

REPORT OF SUPERVISOR OF MUSIC

Mr. E. C. Vining,
Superintendent of Schools,
Billerica, Mass.

Dear Sir:—

The annual report of the music department of the schools of Billerica is as follows:

At the end of the year's work I can report good progress not alone in the ability to sing songs and exercises at sight, but in the general understanding and appreciation of what is worth while in music.

For years the schools have been doing their bit in the interest of music, much more than most people have any idea of. Now the whole country is singing. Why? Because word came back across the miles of ocean that the boys "over there" needed music, that the American Army must be a singing army. Music has done more for the morale and uplift of the army than any other one thing. In fact General Pershing names music as one of the essentials. Community singing has therefore spread, the good old songs are being revived, old and young are singing. The children are learning the songs their fathers and mothers were brought up on and in turn, I trust, are teaching the people at home the best of the patriotic songs which we are teaching in school. It must be through the schools that patriotism is taught and it is a sorry joke indeed when a foreigner remarked he knew a certain person must be an American because he did not know the words of "The Star-Spangled Banner."

The Howe school orchestra is improving in ability even if we are limited in instruments. I trust each year we may be able to procure more instruments and so enlarge the scope of our music. I wish to take this occasion to thank the Committee in the name of the orchestra for the set of drums presented to the school. It is much appreciated. It is my desire that the school shall own some of the less common instruments than the violin, these to be loaned to pupils who agree to learn the instruments at their own expense and use them in the school orchestra. We have made a beginning with the drums. Such an arrangement is a mutual benefit.

I have long hoped for a violin class in Billerica. We have started one this year. I am glad to state its object and requirements. It is not intended to graduate a finished violinist, but to give the pupil an opportunity to show his ability. If marked talent is displayed, the pupil will be advised to take private lessons, as progress must of necessity be slower in a class. The requirements are a violin, an instruction book, regular attendance at lessons and the payment of twenty-five cents a week. The orchestra membership is limited to the Howe School, the violin class is open to any pupil above the fourth grade. Both are of great benefit to the boys and girls. I should be glad to talk with any of the parents regarding this work.

I wish to thank the teachers for their earnest work and the superintendent for his helpful co-operation.

Respectfully submitted,

MARY B. RAYNES,
Supervisor of Music.

REPORT OF SUPERVISOR OF SEWING

Mr. Eugene C. Vining,
Superintendent of Schools,

Upon the woman, the chief spender, depends the wise or unwise apportionment of the income to the various needs of the family, such as shelter, food, and clothing. The girl of today whether or not her future sphere of activity shall be in the field of business, teaching or homemaking, must assume her share of responsibility of the business of spending her own income, or that of others. Whether or not she performs her part wisely depends somewhat upon the equipment furnished her by home and school. Abundant opportunity to learn to become a wise spender awaits her in the field of clothing. It is possible for her to provide for herself and others, for whom she may have need to buy, suitable wearing apparel that will not deplete the purse, yet give joy and satisfaction to the wearer.

This year a course in dressmaking is being followed by the high school girls. Having been given suggestions as to prices and suitability of material, each girl is advised to select her own goods at the store that she may gain experience in buying. Note books are kept by the class, in which the fundamental directions for making each garment are written and kept for future reference. Before any cutting is done a careful study of the commercial pattern is made, and as time permits, the students will be taught how to draft their own patterns. Only two of the girls had done any machine work at home so I have demonstrated to the class the use and care of the sewing machine and its parts.

After machine practice the first problem undertaken was a middy blouse, followed by a woolen or cotton skirt. When the underlying principles of waist and skirt making are well enough understood each girl will be allowed to make any garment most needed for her wardrobe. I feel that my effort has been appreciated by these girls because the many hours each has gladly given to the work at home, and after school hours when I am always glad to help them.

A long mirror is much needed in the sewing department that the students may easily observe the fit of each garment while it is in the process of construction in the classroom as well as at home.

In the grammar school the various stitches are practiced and the methods of construction are taught on such articles as bags, holders, aprons and towels.

In the seventh grade the pupils have made their cooking aprons to wear in the cooking laboratory. A set of underwear is being made by the girls in the eighth grade, also some outer garments. The classes are allowed to carry out original problems if correct in principle.

Home work has been accomplished in the grades between each lesson. Garments made at home by the girls have been brought to school to show the classes, thus stimulating a competitive spirit between the correlative classes.

I wish to thank the girls' parents who have offered helpful suggestions in my work and to extend an invitation to all interested to visit my classes.

Respectfully submitted,

NELLIE G. DUNMORE,
Supervisor of Sewing.

REPORT OF MANUAL TRAINING INSTRUCTOR

Mr. Eugene C. Vining,
Superintendent of Schools,
Billerica, Mass.

Herewith I submit my annual report of the manual training department.

Our progress in this department during the past year has been satisfactory. I have followed out my plan of having the beginners learn first, to plane a piece of wood to dimensions. This is fundamentally the operation to all objects of construction. The majority of the beginners quickly learn to do this and from that point their progress is rapid and their work satisfactory.

Correlated with this is some work and explanation in the reading and making of rough sketches. Also the process of grinding tools. This much when accomplished in a school year with a double period a week is satisfactory, though it may not show a result in many fancy or intricate models or pieces of furniture.

The boys of the upper grades and high school have made many and varied objects of construction most of them gratifying to me as a result of their fundamental practice. Some of these articles are tables of various kinds from library to small plant tables, tabourettes, cabinets, boot-blackening stands, serving trays, umbrella stands, foot stools, coat and hat racks, coat hangers, bread and pastry boards, corner brackets, shelves, book-cases, book racks, towel rollers, clothes line reels, tea and coffee stands, etc.

We had some objects on exhibition in one of the rooms last year which some had a chance to see.

I wish to thank all those who have offered suggestions and Mr. Vining for his interest in this department.

Respectfully submitted,

ELMO D. MacCURDY,
Instructor of Manual Training.

REPORT OF THE SUPERVISOR OF DRAWING

Mr. Eugene C. Vining,
Superintendent of Schools,
Billerica, Mass.

The work in drawing in the schools may be grouped as follows:

1. Object Drawing: Drawing from nature, from life, and from groups of pottery, fruit or vegetables.
2. Design: Arrangements in borders, surface patterns, and panels. Lettering, book covers, etc.
3. Construction: Boxes, toy furniture, etc. Paper folding.

The study of form, proportion and color develops the power of observation and teaches the pupil to express himself. The medium used is determined by the nature of the subject and the needs of the class. Sometimes it is the pencil, crayon, chalk, water color, charcoal, or brush and ink.

Flowers and leaf sprays are drawn for their beauty and also because they furnish motives for use in design for wall papers, borders, for flower compositions and also color schemes.

Birds and animals are excellent subjects for drawing and are also used in design.

Trees are studied and are used in illustrations, in landscape composition and design.

Landscapes, buildings, etc., are drawn from nature or from memory and are used as the foundation for original illustrations.

Groups of pottery, boxes, fruit and vegetables are drawn to teach shape and proportion, composition, and perspective.

Drawing from the figure is an interesting subject. Children are drawn at work or at play. Sometimes the drawings are from the pose and sometimes from memory.

Memory drawings develop the imagination and help in expressing observations and experiences at home or out of doors.

Training in design and composition develops a taste for arrangement and color. In the lower grades cutting and pasting units in repeated patterns help to train the eye and hand to accuracy in spacing.

Exercises in lettering teach the principles of spacing and arrangement and also the form and proportion of each letter.

The construction of objects from paper or card board give the pupils practice in using the ruler and compass and trains the eyes and hand to accuracy. In the lower grades the construction of objects by folding paper trains and strengthens the fingers.

The best models to draw are those that interest the pupils. At Thanksgiving they are interested in drawing pictures of Pilgrims, turkeys, and pumpkins. At Christmas they like to draw their toys. They enjoy illustrating some history or geography lesson. The children in the lower grades are interested in drawing or cutting out pictures of Mother Goose.

I wish to thank all who are associated with me in my work for the support they have given me.

Respectfully submitted,

GERTRUDE NASON,

Supervisor of Drawing.

REPORT OF SCHOOL PHYSICIAN

Billerica, Mass., Jan. 17, 1919.

To the School Committee of Billerica:

Gentlemen:—In performing my duty as School Physician I have frequently visited the schools throughout the year. All pupils have been examined individually several times. Basements, closets, and plumbing have been inspected and found sanitary. All basement walls were white-washed during the summer. The sanitary arrangements of all school buildings is most excellent and up to date except at the Pollard. Here

the work begun in 1917 would have been completed during the past summer if the price of labor and material had not been so abnormal. When this work is completed the sanitary condition of the three buildings will be nearly perfect.

The outbreak of scarlet fever during the early spring was of a mild type. It is now generally accepted that, in the case of the well known contagious diseases, children are safer in the schoolroom under the inspection of teachers and school physician than outside where they are more likely to be in the street in close contact with other children ill of the contagion and without inspection. The influenza epidemic was generally little understood and it was deemed wise to follow the action of other towns in closing the schools.

The following statute, without the exception, has been a school law since 1855. The exception dates from 1898. "A child who has not been vaccinated shall not be admitted to a public school, except upon presentation of a certificate granted for cause stated therein, signed by a regular practicing physician, that he is not a fit subject for vaccination." Certificates of vaccination have been required and with very few exceptions all pupils have been vaccinated before entering school or soon after. There has been a marked improvement in this respect in the past two years.

A dental clinic would be of great value, as many children show defective or neglected teeth. As this would incur expense which we are perhaps unable to meet at present, I would urge upon parents the necessity of giving as much care to their children's teeth as possible.

I have been called several times in the case of sudden illness and accidents. There have been fewer cases of parasites in the hair than usual. About the normal number of adenoids and enlarged tonsils have been found and reported to parents.

Respectfully submitted,

MAURICE A. BUCK, M. D.,
School Physician.

GRADUATION EXERCISES, HOWE HIGH SCHOOL
Town Hall, Wednesday, June 19, 1918

PROGRAM

OVERTURE "La Dame de Pique" *Lavellee*
 Orchestra

"THE TWO GRENADIERS" *Schumann*
 School Chorus

PRAYER
 Rev. J. Harold Dale

"KISMET" *Thomas*
 Orchestra

SECOND HONOR "The War Work of the Y. M. C. A."
 Marie E. Lyons

"SONG OF DELIVERANCE" *Coleridge-Taylor*
 School Chorus

FIRST HONOR "The Progress of Democracy"
 Charles R. Baisley

CLASS GIFT
 Presentation: Wilfred N. Hadley, '18
 Acceptance: James W. Delmege, '19

"WATER LILIES" *Linders*
 Girls' Chorus

CONFERRING OF DIPLOMAS
 Dr. M. A. Buck, Chairman of School Board

MEDLEY "Summer Days" *Recker*
 Orchestra

ADDRESS "The Report of a Spy"
 Dr. William Allen Knight, of Brighton

STAR SPANGLED BANNER
 Audience

FINALE "Over the Top" *Hibbard*
 Orchestra

Class Roll

Charles R. Baisley	Miles J. B. Finnegan
Marie Elizabeth Lyons	Wilfred N. Hadley
Elizabeth Helen Callahan	Mabelle Agnes Higgins
Mary Theresa Collins	Mary Adeline Rule
Elizabeth Frances Conway	Gladys Almyra Scott
John W. Dignon, Jr.	

CORPS OF TEACHERS JANUARY 1, 1919

Howe High School

Name	Elected	Where Educated	Subjects
Eugene C. Vining, Principal	1901	Bowdoin College A. B.; Tufts M. A.	Mathematics
Elmo D. MacCurdy	1916	Tufts College B. S.	Science and Manual Training
Ethel Schoonmaker	1918	Radcliffe College A. B.	Latin and English
Sylvia C. Stoddard	1918	Smith College A. B.	English and History
Marion E. Freeman	1916	Colby College A. B.	French and English
L. Marie Hentz	1916	Simmons College	Stenography and Typewriting
Celia Gordon	1918	Bryant and Stratton	Commercial Subjects
N. Gertrude Dunmore	1917	Simmons College B. S.	Household Arts
Elizabeth H. Stone	1912	Bates College	Senior Intermediate
Charlotte Paulsen	1917	Boston University A. B.	Senior Intermediate
Minnie S. Dyson	1910	Lowell Normal	Junior Intermediate
Clara L. Pratt	1917	Gorham (Me.) Normal	Junior Intermediate

Pollard School

Name	Elected	Where Educated	Subjects
Thurza M. McElman	1912	Howe School	Grade VI.
Helen S. Faneuf	1917	Lowell Normal	Grade V.
Grace L. Knowles, Principal	1899	Howe School	Grade IV.
Sadie J. Burgess	1916	Montclair (N. J.) Normal	Grade III.
Marion M. W. Houghton	1912	Boston University	Grade II.
Dorothea L. Osgood	1917	Wheelock Kindergarten	Grade I.

CORPS OF TEACHERS JANUARY 1, 1919—(Continued)

Name	Elected	Talbot School		Subjects
		Where Educated		
Beniah F. Harding, Principal	1898	Maine Central Institute		Grade VI.
Alice W. Higgins	1913	Lowell Normal		Grade V.
Kathleen M. O'Hearn	1915	Lowell Normal		Grade IV.
Mary M. Cassidy	1918	Lowell Normal		Grades III and IV.
Rita M. Collins	1915	Lowell Normal		Grade III.
Kathryne G. Dewire	1912	Lowell Normal		Grade II.
Mary E. Kearney	1918	Lowell Normal		Grades I. and II.
Eleanor E. Nickerson	1916	Lowell Normal		Grade I.
Supervisors				
J. Gertrude Nason	1909	Boston Normal Art		Drawing
Mary B. Raynes	1912	N. E. Conservatory of Music		Music
Minnie E. Reynolds	1915	Cedar Rapids (Mich.) Business College		Penmanship
N. Gertrude Dunmore	1917	Simmons College B. S.		Sewing
Elmo D. MacCurdy	1916	Tufts College B. S.		Manual Training

REPORT OF THE BOARD OF SELECTMEN.

To the Citizens of the Town of Billerica:

We submit herewith our report for the year ending December 31, 1918, including a statement concerning the affairs of the several departments which have come under our direct supervision. The Board organized February 18, and we at once took up our municipal duties for the term. Many matters of importance have come up for our consideration and in each and every instance we have endeavored to conduct the business of our office in a fair and impartial manner and in the interest of the taxpayers at all times. In all cases we have pursued a policy of publicity and we have advised the citizens of any important measures that have come up for disposal in order that they might keep informed with reference to the municipal affairs. Practically every month we have published in the press a financial statement submitted to us by the Town Accountant showing the condition of the Town finances. We believe that the inhabitants at large should be advised frequently relative to the various appropriations that are voted and we have kept them as well informed on these matters as possible.

REPAIRS ON LOWELL STREET.

In accordance with a vote passed at the last Annual Town Meeting we applied, early in March, to the Massachusetts State Highway Commission and the Middlesex County Commissioners under Chapter 525 of the Acts of 1910, for assistance in macadamizing Lowell Street from Perry's Corner, so-called, to the new State highway. The Town had voted \$2500 for this job, providing the State and County would each contribute a similar amount.

After several hearings and conferences with the Commissioners, they decided to allot the amounts requested. The work was started by the Highway Surveyor in September and completed to Holt Street. The County officials advised us, when they examined the premises, that in their opinion the appropriation was not large enough to finish the job on account of the increased cost of materials and labor, but they would give us financial assistance to fully complete the work in 1919.

There is yet approximately 500 feet of the street to be repaired and we have inserted an article in the warrant for an appropriation to be made under the same arrangement as last year.

We have also submitted an article for specific repairs on Pollard Street from the Fordway Bridge, providing the State and County will assist the Town on this proposition.

APPROPRIATIONS.

We would respectfully call to your attention the necessity of making your appropriations at the Annual Town Meeting large enough to carry out the work for which they are intended during the ensuing term. In past years, the Selectmen many times have been requested to call Special Meetings to increase appropriations and to act upon numerous matters that in justice to the taxpayers should be settled at the Annual Meeting.

Special Town Meetings—except where emergencies make it imperative to hold them—are more or less unsatisfactory. Many taxpayers find it impossible to attend these meetings when they are held in the evening and consequently the attendance is small and the outcome, in many instances, is far different than if the measures had come up at the Annual Meeting. Therefore, we recommend that the citizens vote appropriations large enough at the Annual Town Meetings to run the various departments for the year, thus avoiding calling Special Meetings for business that might be settled at the Annual Meeting each year.

PUBLIC BUILDINGS.

Our public buildings are now in good condition. During the past year, Union Hall was given a much-needed coat of paint and the structure should be re-shingled the coming summer. With the increased expenses that have occurred the past year or two in the maintenance of public buildings and the fact that the present accounting system now operative in this Town does not permit us to add rental receipts of the halls to the regular fund, the \$1500 usually voted for our buildings is too little, if they are to be kept in good repair. We hereby recommend that the sum of \$2000 be appropriated for our buildings during the coming term.

BUILDING REGULATIONS.

At the last Annual Town Meeting, under Article 14, the Town adopted certain Building Regulations by amending the

Town By-Laws and provided for the appointment of a Building Inspector. Inasmuch as this Town had not accepted the provisions of Chapter 655 of the Acts of 1913, the Attorney-General did not approve of the action and consequently we were unable to carry out the vote. This year we have inserted an article in the Warrant covering this matter.

The statute referred to above is a codification of the building laws of the Commonwealth and must be accepted if the Town would carry out the vote passed at the last Annual Meeting.

BAY STATE STREET RAILWAY FARE INCREASE.

During the past year, the Bay State Street Railway increased its fares on the Billerica line, making electric car travel an expensive proposition at the present time. Your Selectmen did every thing in their power to prevent this increase and we have had conferences with the railway officials and attended hearings before the Public Service Commission on the proposed raise in the rates. At a recent public hearing before us, citizens of this Town adopted resolutions opposing the latest increase proposed by the Bay State Company and we sent copies to every town in this section asking for their co-operation in the drive to prevent any further raise in the fares. Copies of the action by Billerica citizens were also placed on the desks of the Public Service Commission at a subsequent hearing held by that body.

It is no exaggeration to say that the electric car service by the Bay State in this Town is absolutely abominable and it is really an imposition to ask patrons to submit to this latest increase in fares. Apparently no attempt is made by the employees of that Company to maintain any kind of a regular schedule on the local line during the rush hours and on Saturdays, and as a result people who are forced to use the electrics are put to much inconvenience. It might be well to state at this time that the Bay State Company has not paid any taxes to this Town for two years.

BRIDGES.

An overdraft of considerable proportions will be noted in the bridge appropriation. One reason for this is a serious accident which occurred last September on the Corner Bridge, when a heavy truck of the P. O'Riordan Forwarding Company of Boston, loaded with a big engine cylinder and weighing approximately eighteen tons, crashed through the flooring of the structure. We have been advised that the O'Riordan Company

is liable for the damage and we have notified them to that effect. Being unable to adjust this matter after about three months negotiations, counsel has been instructed to bring suit against the O'Riordan Company.

BILLERICA MEN IN THE SERVICE.

Billerica has two hundred forty-three men in the military and naval service—more than eight per cent. of our total inhabitants—and it seems right and proper for the Town at this time to recognize their loyal and patriotic devotion to their country by presenting each with a medal, suitably inscribed, as a slight token of our esteem and appreciation for the grand service they have rendered their government. In anticipation of their home-coming, we have obtained a fac-simile of a design containing the Town seal, the medal to be either in bronze, sterling silver or gold, as the Town may decide. An article appears in the Warrant for an appropriation of \$600 for this purpose and we recommend that it be passed.

SOLDIERS AND SAILORS INFORMATION

Following the Civil and Spanish-American wars, no complete record was kept of the Billerica men in the service and today the Town has no detailed information with reference to our brave men who served their country in 1861-65 and also those who answered the call to the colors in 1898. We feel that a complete record should be preserved by the Town of our gallant soldiers and sailors and with this idea in view we have provided a Record Book, the same to contain complete details of each man, his age, place of birth, date of enlistment, company, regiment, rank, promotion, names of parents, relatives; in fact everything in the line of information of every one of our two hundred and forty-three men.

This information has already been obtained in complete form by the Soldiers and Sailors Information Bureau of the Billerica Public Safety Committee. The thanks of the citizens are due Rev. Walton H. Doggett, chairman of this committee and his co-workers for their untiring efforts in preparing this valuable data which has now been turned over to the Town Officials.

STREET LIGHTING.

About a dozen new street lights have been installed the past year and, while our street lighting system is not as extensive as

in several nearby Towns, there is a noticeable improvement over the conditions that existed here a few years ago. We recommend an appropriation of \$4700 for street lighting for 1919.

IN GENERAL.

During the past year, Town Clerk Albert S. Bull, tendered his resignation to enter the aviation service of the United States Government. To fill the vacancy, we appointed former Town Clerk Herbert A. King. The latter relinquished the office when Mr. Bull returned soon after the armistice was signed and was appointed to his position.

In conclusion we urge foresight and thoughtfulness in voting the appropriations for the ensuing year and by the same token we also urge the heads of the several departments to present their estimates at the Annual Town Meeting in accordance with the expense anticipated. The successful business man adapts his policies to meet increased requirements as well as increased trade. The municipal finances should be expended very carefully and judiciously and, while we favor liberality in the consideration of the needs of our Town, we are equally desirous to caution against the extravagant expenditure of any appropriation voted by the citizens.

We wish to call your attention to the statements of the Town Accountant, Town Treasurer and Tax Collector and reports of all departments contained in this book.

Respectfully submitted,

THOMAS F. SHERIDAN,
THOMAS TALBOT CLARK,
FORREST F. COLLIER,

Board of Selectmen.

ESTIMATES OF APPROPRIATIONS FOR 1919 BY THE BOARD OF SELECTMEN

	Appropriations 1918	Recommendations 1919
Police Department	\$ 4,000.00	\$ 4,250.00
Incidentals	1,200.00	1,200.00
Maintenance of Halls	1,500.00	2,000.00
Common and Town Pump	150.00	150.00
Treasurer's and Collector's Bond	220.00	220.00
Interest	10,000.00	10,000.00
Sinking Fund and Bond Interest, Town Hall	2,000.00	
Sinking Fund and Bond Interest, School		
House	1,750.00	1,750.00
High School, Bond Interest	3,150.00	2,910.00
Town Notes	12,500.00	12,500.00
Water Department, Maintenance	11,500.00	12,000.00
Hydrants	4,125.00	4,125.00
Fire Department	6,200.00	7,500.00
Schools, including Dog Tax	40,415	41,000.00
Medical Inspection of Schools	500.00	500.00
Board of Health Expenses	700.00	700.00
Town Farm	4,800.00	4,800.00
Outside Relief	3,000.00	3,000.00
Moth	3,000.00	3,000.00
Elm Beetle	300.00	300.00
Tree Warden	200.00	200.00
Cemeteries	2,500.00	
Park Commissioners for General Expenses	400.00	500.00
Care of Snow and Sanding Sidewalks	1,000.00	2,000.00
Macadam Repairs	3,000.00	5,000.00
Repair of Roads other than Macadam and		
Equipment	Excise Tax 7,000.00	8,000.00
Bridges	300.00	500.00
Sidewalk Repairs	300.00	300.00
Street Lighting	4,500.00	4,700.00
Memorial Day	125.00	125.00
Assessors' Special	150.00	250.00
Indexing Records	50.00	50.00
Printing	750.00	750.00
Reserve	2,000.00	2,000.00
Sinking Funds, Water Bond	1,800.00	1,800.00
Road Oil		2,000.00
Turnpike, 1500 ft. Rail, Cement Top Wall		2,000.00
Salaries:		
Selectmen	600.00	600.00
Collector of Taxes	700.00	700.00
Assessors	900.00	900.00

Overseers of the Poor	400.00	400.00
School Committee	180.00	180.00
Town Clerk	300.00	300.00
Town Treasurer	500.00	500.00
Town Accountant	700.00	700.00
Election Officers	225.00	225.00
Registrars of Voters	200.00	400.00
Fish Warden	10.00	10.00
Sealer of Weights and Measures	25.00	100.00
Board of Health	150.00	250.00
Cattle Inspector	100.00	100.00
Forest Warden	100.00	100.00
Building Inspector	100.00	100.00
Industrial School		400.00

WARRANT

Annual Town Meeting

TOWN OF BILLERICA

COMMONWEALTH OF MASSACHUSETTS.

Middlesex, ss.

To any Constable in the Town of Billerica:

Greeting:

You are hereby authorized and required to notify and warn the inhabitants of said town of Billerica, qualified by law to vote in elections and Town affairs, to meet at the Town Hall, Billerica at 6 o'clock a. m., Saturday, February 8, 1919, to bring in their votes on one ballot for the following officers:

Moderator, Town Clerk, Town Treasurer, Three Selectmen, Three Overseers of the Poor, a Collector of Taxes, a Highway Surveyor, a Tree Warden and two Constables, all for one year. One assessor, one member of the Board of Health, one member of the Town Hall Sinking Fund Commission, one member of the Cemetery Commission, one member of the Talbot School Sinking Fund Commission, one member of the Water Commission, one member of the Park Commission and one member of the School Committee, all for three years.

Also, to vote on the following question, viz: "Shall license be granted for the sale of intoxicating liquors in the Town of Billerica?" Yes or No.

Polls may be closed at 4 o'clock p. m.

Also, at 10 o'clock a. m., to meet and act upon the following Articles:

ARTICLE 1. To choose one member of the Bowers Fund Committee for a term of five years.

ARTICLE 2. To choose all necessary Town officers.

Article 3. To hear and act upon the report of Town Officers and Committees heretofore appointed.

ARTICLE 4. To see what method the Town will adopt to repair roads and bridges for the ensuing year.

ARTICLE 5. To raise and appropriate such sums of money as may be deemed necessary to defray the Town expenses for the ensuing year, or do anything in relation to the same.

ARTICLE 6. To authorize the Town Treasurer, with the approval of the Selectmen, to borrow during the municipal year beginning January 1st, 1919, in anticipation of the collection of taxes of said year, such sums of money as may be necessary for the current expenses of the Town, but not exceeding the total levy of said year, giving the notes of the Town therefor, payable within one year from the date thereof. All debts incurred under the authority of this vote shall be paid from the taxes of the present municipal year.

ARTICLE 7. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300) for the care of the Stearns and Blanchard Brooks; or act in relation thereto.

ARTICLE 8. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300) to be expended under the direction of the Fire Engineers, to compensate Edward A. Barker, who has been permanently disabled in the fire service; or do anything in relation to the same.

ARTICLE 9. To see if the Town will raise and appropriate the sum of two hundred dollars (\$200) for necessary improvements in the drainage of Mount Pleasant Street in the vicinity of the Boston and Maine Railroad bridge; or act in relation thereto.

ARTICLE 10. To see if the Town will accept the provisions of Chapter 655 of the Acts of 1913, entitled "An Act to revise and codify the Building Inspection Laws of the Commonwealth;" or do anything in relation to the same.

ARTICLE 11. To see if the Town will raise and appropriate the sum of two thousand dollars (\$2000) to macadamize Pollard Street from Fordway Bridge, provided the County and State shall each furnish a similar amount; or take any action in relation thereto.

ARTICLE 12. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500) to complete the macadam work on Lowell Street, between Colson Street and Holt Street and to pay for damages for land acquired in widening Lowell Street, provided the County and State shall each furnish a similar amount; or do anything in relation to the same.

ARTICLE 13. To see if the Town will determine the salary of the Chief Engineer of the Fire Department; or act in relation thereto.

ARTICLE 14. To see if the Town will raise and appropriate the sum of four hundred dollars (\$400) to lay a cement sidewalk in front of the North Billerica Manufacturing Company, providing that Company will donate a similar amount; or do anything in relation to the same.

ARTICLE 15. To see if the Town will raise and appropriate one thousand dollars (\$1000) to be used by the Water Department for new wells; or do anything in relation to the same.

ARTICLE 16. To see if the Town will authorize the School Committee to keep a record of Billerica pupils attending the Industrial School at Lowell and approve all bills for the tuition of said pupils; or act in relation thereto.

ARTICLE 17. To see if the Town will raise and appropriate the sum of six hundred dollars (\$600) to provide a suitable medal for each Billerica man in the service of the United States Army and Navy during the German war; or do anything in relation to the same.

ARTICLE 18. To see if the Town will raise and appropriate one hundred dollars (\$100) to enter, and preserve, a complete record of every Billerica soldier and sailor in a book already provided for this purpose by the Selectmen; or act in relation thereto.

ARTICLE 19. To see if the Town will vote to pay the Water Commissioners a salary of one hundred dollars (\$100) each per year, beginning January 1, 1919; or do anything in relation to the same.

ARTICLE 20. To see if the Town will raise and appropriate the sum of eight thousand seven hundred fifty dollars (\$8750) to purchase an auto fire truck for the North Billerica Fire Station and appoint a Committee for this purpose; or act in relation thereto.

ARTICLE 21. To see if the Town will authorize the Fire Engineers to dispose of any unnecessary apparatus and equipment now in the department; or do anything in relation to the same.

ARTICLE 22. To see if the Town will rescind the vote passed at the special Town Meeting held June 30, 1917, under Article 13, and raise and appropriate the sum of two thousand

dollars (\$2000) to be used by the Park Commissioners for the purpose of improving the Charles H. Kohlrausch Playground; or do anything in relation to the same.

ARTICLE 23. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1000) to purchase a Scurrier to be used by the Highway Department; or act in relation thereto.

ARTICLE 24. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500) for a Fourth of July Victory Celebration to be held at North Billerica on July 4th, 1919; or do anything in relation to the same.

ARTICLE 25. To see if the Town will spend the accumulated income of The Abbott Singing Fund; or take any action thereto.

ARTICLE 26. To see if the Town will do anything in relation to a memorial for the soldiers of the German War.

ARTICLE 27. To see if the Town will instruct the Water Commissioners to extend the water main from Fuller's Corner to the Billerica-Burlington line; or do anything in relation to the same.

ARTICLE 28. To see if the Town will raise and appropriate the sum of four hundred dollars (\$400) for repairs on Pine Street; or do anything in relation to the same.

ARTICLE 29. To see if the Town will raise and appropriate the sum of two hundred dollars (\$200) to reimburse abutters for land seized to widen Pine Street; or do anything in relation to the same.

ARTICLE 30. To see if the Town will vote to re-appropriate the unexpended balance of four thousand nine hundred twenty-five dollars and forty-six cents (\$4925.46) of the School Department for 1918 to the use of the School Committee.

ARTICLE 31. To authorize the Park Commission to accept gifts of lands or funds for Park Trail Reservations to be held as a memorial to the soldiers of the Town who have been engaged in the German War and to be free of taxes and made open to the public at all times and to raise and appropriate the sum of one hundred dollars (\$100) to establish bounds, records and markers for such gifts.

ARTICLE 32. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300) to drain and concrete

the basement of the new Fire Station; or do anything in relation to the same.

ARTICLE 33. To see what sum of money, if any, the Town will raise and appropriate, the same to be donated to Tewksbury, Lowell, Bedford, Lexington and Woburn Fire Relief Associations for assistance rendered the Billerica Fire Department during the past year.

ARTICLE 34. To see if the Town will instruct the Water Commissioners to redeem the water bonds held by the Town Hall Sinking Fund; or do anything in relation to the same.

ARTICLE 35. To see if the Town will raise and appropriate the sum of six hundred dollars (\$600) to pay the salary of the Milk Inspector for the years 1915, 1916 and 1917; or act in relation thereto.

ARTICLE 36. To see if the Town will raise and appropriate fifty-nine hundred sixty-four dollars and ninety-seven cents (\$5964.97) to pay overdrafts as follows: —

Registrars of Voters	\$ 42.01
Town Hall	759.38
Fire Department	346.07
Care of Snow and Sanding Side- walks	1424.38
Brown's Corner State Job	670.43
Bridges	2188.28
Outside Relief	277.54
Industrial School	256.88

ARTICLE 37. To see if the Town will raise and appropriate the sum of five hundred eighty-two dollars seventy cents (\$582.70) for unpaid bills of the highway department.

ARTICLE 38. To see if the town will raise and appropriate the sum of fifty dollars (\$50.00) or some other amount and elect a Director for demonstration work in Agriculture and Home Economics, the money to be expended by, and the director to serve in co-operation with the County Agricultural Trustees of the Middlesex County Bureau of Agriculture and Home Economics under the provisions of Chapter 273, General Acts of 1918.

And you are to serve this Warrant by posting true and attested copies thereof, one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post Offices of the Town,

and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this sixth day of January, in the year of our Lord, 1919.

THOMAS F. SHERIDAN,
THOMAS TALBOT CLARK,
FORREST F. COLLIER,
Selectmen of the Town of Billerica.

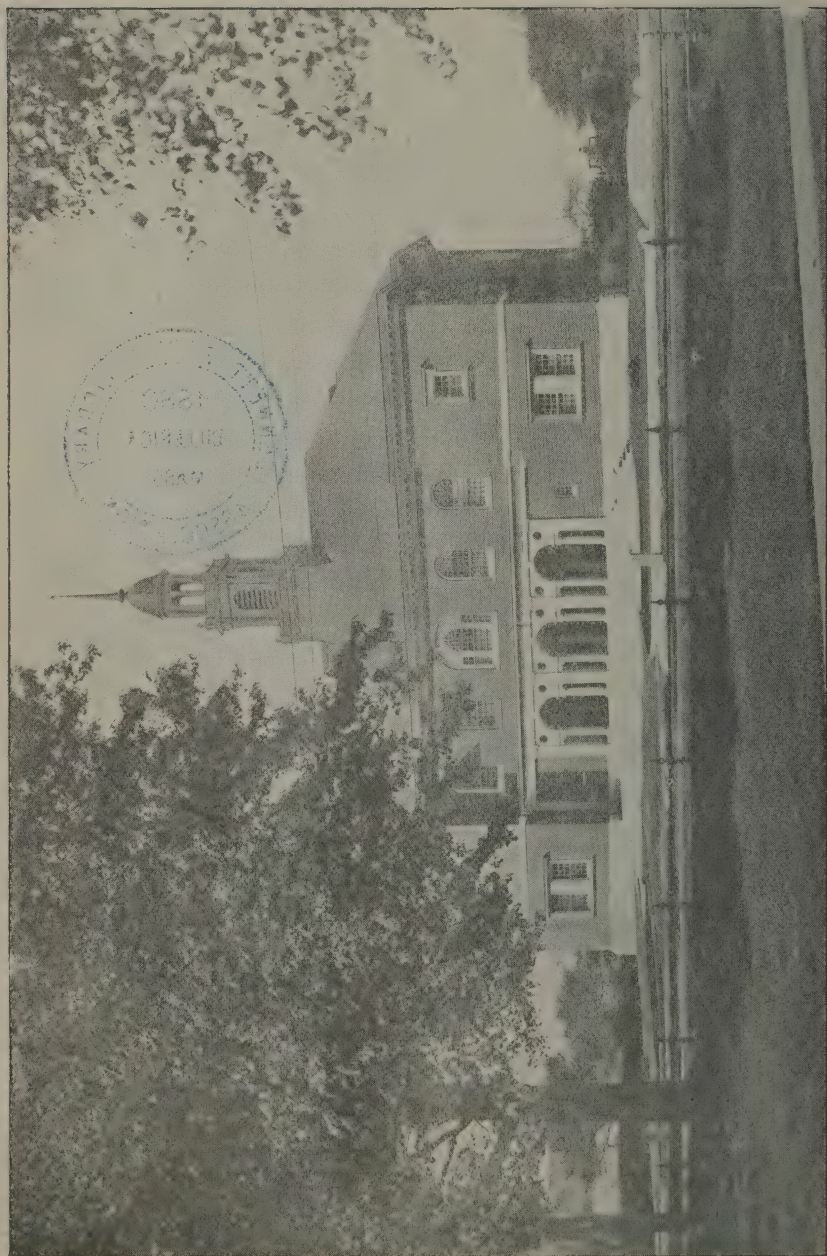
A true copy. Attest:

HENRY D. LIVINGSTON, Constable.

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TOWN HALL

ANNUAL REPORT

OF THE

TOWN OF BILLERICA



RECEIPTS AND EXPENDITURES

and Reports of the Various Departments for
the Year Ending December 31

1919

BUTTERFIELD PRINTING COMPANY

LOWELL, MASS.

1920

TOWN OFFICERS

Selectmen

THOMAS F. SHERIDAN, Chairman
THOMAS TALBOT CLARK, Secretary
LAURENCE J. GREENWOOD

Town Clerk

ALBERT S. BULL

Town Treasurer

ARTHUR S. COOK

Town Accountant

EVERETT S. BULL

Moderator

CHARLES H. EAMES

Assessors

WILLIAM H. SEXTON, Chairman EDWARD A. KING
RALPH N. DODGE

Overseers of the Poor

RICHARD J. CONWAY, Chairman COBURN S. SMITH
WARREN HOLDEN

Board of Health

DR. NEIL K. FORHAN, Chairman
DR. E. J. ALLEY, Secretary
THOMAS A. ELLIS

School Committee

DR. MAURICE A. BUCK, Chairman
JOHN FREDERICK GANNON PETER B. KIRSCHNER

Collector of Taxes
CHARLES A. WRIGHT

Highway Surveyor
EDGAR F. TWOMBLY

Tree Warden
FRANCIS J. DOLAN

Cemetery Commissioners
J. NELSON PARKER, Chairman JOHN A. RICHARDSON
HERBERT A. KING

Water Commissioners
WARREN HOLDEN, Chairman FRANK L. DAY, Clerk
JOHN F. ROOME

School House Sinking Fund Commission
JOHN A. RICHARDSON THOMAS TALBOT CLARK
NATHANIEL R. JONES

Town Hall Sinking Fund Commissioners
CHARLES H. EAMES ALBERT H. RICHARDSON
DANA H. SPILLER

Constables, Keepers of the Lock-Up and Field Drivers
HENRY D. LIVINGSTON WILLIAM H. O'BRIEN

Surveyors of Wood and Lumber
JOHN E. ROWELL CHARLES F. MANNING
WILLIAM F. SYMMES THOMAS E. SMITH
HENRY D. LIVINGSTON VOLUNTINE ROLLINS
CHARLES A. FOSTER BERNARD W. KEARNEY
LESLIE W. HAMMOND GEORGE MOORE
FREDERICK WAIN

Fence Viewers
THOMAS F. SHERIDAN THOMAS TALBOT CLARK
LAURENCE J. GREENWOOD

Engineers of the Fire Department

ERNEST N. BARTLETT, Chief

WILLIAM B. CHAMBERS, Asst. Chief

Board of Registrars

JAMES J. CAMPBELL

ALBERT H. RICHARDSON DENNIS J. MAHONEY

ALBERT S. BULL (ex-officio)

Cattle Inspector

ALBERT H. JONES

Public Weighers

WALLACE W. BROWN

DENNIS J. DEWIRE

FRANK E. DANE

EDWARD B. CARR

JOHN H. OWENS

THOMAS McCLELLAND

Forest Warden

ERNEST N. BARTLETT

Local Moth Superintendent

JOHN W. BOSTWICK

Sealer of Weights and Measures

JOHN J. LYONS

Park Commission

WARREN H. MANNING, Chairman

FREDERIC S. CLARK

ISAAC N. MILLBURY

Superintendent of Town Farm

H. A. BOWERMAN

WARRANT
FOR
Annual Town Meeting
BILLERICA, MASS.

COMMONWEALTH OF MASSACHUSETTS.

Middlesex, ss.

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ARTICLE 12. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500) to complete the macadam work on Lowell Street, between Colson Street and Holt Street and to pay for damages for land acquired in widening Lowell Street, provided the County and State shall each furnish a similar amount; or do anything in relation to the same.

ARTICLE 13. To see if the Town will determine the salary of the Chief Engineer of the Fire Department; or act in relation thereto.

ARTICLE 14. To see if the Town will raise and appropriate the sum of four hundred dollars (\$400) to lay a cement sidewalk in front of the North Billerica Manufacturing Company, providing that Company will donate a similar amount; or do anything in relation to the same.

ARTICLE 15. To see if the Town will raise and appropriate one thousand dollars (\$1000) to be used by the Water Department for new wells; or do anything in relation to the same.

ARTICLE 16. To see if the Town will authorize the School Committee to keep a record of Billerica pupils attending the Industrial School at Lowell and approve all bills for the tuition of said pupils; or act in relation thereto.

ARTICLE 17. To see if the Town will raise and appropriate the sum of six hundred dollars (\$600) to provide a suitable medal for each Billerica man in the service of the United States Army and Navy during the German war; or do anything in relation to the same.

ARTICLE 18. To see if the Town will raise and appropriate one hundred dollars (\$100) to enter, and preserve, a complete record of every Billerica soldier and sailor in a book already provided for this purpose by the Selectmen; or act in relation thereto.

ARTICLE 19. To see if the Town will vote to pay the Water Commissioners a salary of one hundred dollars (\$100) each per year, beginning January 1, 1919; or do anything in relation to the same.

ARTICLE 20. To see if the Town will raise and appropriate the sum of eight thousand seven hundred fifty dollars (\$8750) to purchase an auto fire truck for the North Billerica Fire Station and appoint a Committee for this purpose; or act in relation thereto.

ARTICLE 21. To see if the Town will authorize the Fire Engineers to dispose of any unnecessary apparatus and equipment now in the department; or do anything in relation to the same.

ARTICLE 22. To see if the Town will rescind the vote passed at the special Town Meeting held June 30, 1917, under Article 13, and raise and appropriate the sum of two thousand

dollars (\$2000) to be used by the Park Commissioners for the purpose of improving the Charles H. Kohlrausch Playground; or do anything in relation to the same.

ARTICLE 23. To see if the Town will raise and appropriate the sum of one thousand dollars (\$1000) to purchase a Scurrier to be used by the Highway Department; or act in relation thereto.

ARTICLE 24. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500) for a Fourth of July Victory Celebration to be held at North Billerica on July 4th, 1919; or do anything in relation to the same.

ARTICLE 25. To see if the Town will spend the accumulated income of The Abbott Singing Fund; or take any action thereto.

ARTICLE 26. To see if the Town will do anything in relation to a memorial for the soldiers of the German War.

ARTICLE 27. To see if the Town will instruct the Water Commissioners to extend the water main from Fuller's Corner to the Billerica-Burlington line; or do anything in relation to the same.

ARTICLE 28. To see if the Town will raise and appropriate the sum of four hundred dollars (\$400) for repairs on Pine Street; or do anything in relation to the same.

ARTICLE 29. To see if the Town will raise and appropriate the sum of two hundred dollars (\$200) to reimburse abutters for land seized to widen Pine Street; or do anything in relation to the same.

ARTICLE 30. To see if the Town will vote to re-appropriate the unexpended balance of four thousand nine hundred twenty-five dollars and forty-six cents (\$4925.46) of the School Department for 1918 to the use of the School Committee.

ARTICLE 31. To authorize the Park Commission to accept gifts of lands or funds for Park Trail Reservations to be held as a memorial to the soldiers of the Town who have been engaged in the German War and to be free of taxes and made open to the public at all times and to raise and appropriate the sum of one hundred dollars (\$100) to establish bonds, records and markers for such gifts.

ARTICLE 32. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300) to drain and concrete the basement of the new Fire Station; or do anything in relation to the same.

ARTICLE 33. To see what sum of money, if any, the Town will raise and appropriate, the same, to be donated to Tewksbury, Lowell, Bedford, Lexington and Woburn Fire Relief Associations for assistance rendered the Billerica Fire Department during the past year.

ARTICLE 34. To see if the Town will instruct the Water Commissioners to redeem the water bonds held by the Town Hall Sinking Fund; or do anything in relation to the same.

ARTICLE 35. To see if the Town will raise and appropriate the sum of six hundred dollars (\$600) to pay the salary of the Milk Inspector for the years 1915, 1916 and 1917; or act in relation thereto.

ARTICLE 36. To see if the Town will raise and appropriate fifty-nine hundred sixty-four dollars and ninety-seven cents (\$5964.97) to pay overdrafts as follows:—

Registrars of Voters	\$ 42.01
Town Hall	759.38
Fire Department	346.07
Care of Snow and Sanding Side-	
walks	1424.38
Brown's Corner State Job	670.43
Bridges	2188.28
Outside Relief	277.54
Industrial School	256.88

ARTICLE 37. To see if the Town will raise and appropriate the sum of five hundred eighty-two dollars seventy cents (\$582.70) for unpaid bills of the highway department.

ARTICLE 38. To see if the Town will raise and appropriate the sum of fifty dollars (\$50.00) or some other amount and elect a Director for demonstration work in Agriculture and Home Economics, the money to be expended by, and the director to serve in co-operation with the County Agricultural Trustees of the Middlesex County Bureau of Agriculture and Home Economics under the provisions of Chapter 273, General Acts of 1918.

And you are to serve this Warrant by posting true and attested copies thereof, one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post Offices of the Town, and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this, sixth day of January, in the year of our Lord, 1919.

THOMAS F. SHERIDAN,
THOMAS TALBOT CLARK,
FORREST F. COLLIER,

Selectmen of the Town of Billerica.

February 8, 1919.

I have served the above warrant as therein directed.

HENRY D. LIVINGSTON,
Constable.

REPORT OF FINANCE COMMITTEE

Article 5. Under this article the following recommendations are made:—

Police Department	\$4,250.00
Incidentals	1,200.00
Maintenance of Halls	2,000.00
Common and Town Pump	150.00
Treasurer's and Collector's Bonds	220.00
Interest	10,000.00
Sinking Fund and Bond Interest, Town Hall	600.00
Sinking Fund and Bond Interest, School House	1,750.00
High School, Bond Interest	2,970.00
Town Notes	12,500.00
Water Dept., Maintenance	12,000.00
Hydrants	4,125.00
Fire Dept., salaries, equipment and extension of service	7,000.00
Schools, including Dog Tax	41,000.00
Medical Inspection of Schools	500.00
Board of Health Expenses	700.00
Town Farm	4,800.00
Outside Relief	3,000.00
Moth	2,515.84
Elm Beetle	300.00
Tree Warden	200.00
Cemeteries	3,000.00
Park Commissioners for General Expenses	400.00
Care of Snow and Sanding Sidewalks	1,000.00
Repair of Roads, macadam, sidewalks, bridges and road oil —including Excise Tax	12,000.00
Turnpike, 1500 ft. Rail, Cement Top Wall, to be expended under the direction of the Selectmen	2,000.00

Street Lighting	4,700.00
Memorial Day	125.00
Assessor's Special	250.00
Indexing Records	50.00
Printing	700.00
Reserve	2,000.00
Sinking Fund, Water Bond	1,800.00
Salaries:	

Selectmen	600.00
Collector of Taxes	700.00
Assessors	900.00
Overseers of the Poor	400.00
School Committee	180.00
Town Clerk	300.00
Town Treasurer	500.00
Town Accountant	700.00
Election Officers	225.00
Registrars of Voters	357.99
Sealer of Weights and Measures	100.00
Board of Health	150.00
Cattle Inspector	100.00
Forest Warden	100.00
Building Inspector	100.00
Industrial School	400.00

Article 6. No recommendation made.

Article 7. Recommended that \$300. be raised and appropriated to be expended by a committee and said committee shall make plans for the permanent improvement of these brooks.

Article 8. Recommended.

Article 9. Recommended that \$200. be appropriated for the purpose named in this article to be expended under the direction of a committee.

Article 10. No recommendation made on this article.

Article 11. Recommended.

Article 12. Recommended.

Article 13. Recommended that he receive a salary of \$600.

Article 14. Recommended.

Article 15. Recommended.

Article 16. Recommended.

Article 17. Recommended.

Article 18. Recommended.

Article 19. Recommended.

Article 20. This article not recommended as the Committee thinks that the truck located at the Center can adequately answer all calls if the roads are kept in proper condition.

Article 21. Recommended that the Fire Engineers be authorized to dispose of any unnecessary apparatus and equipment, subject to the approval of the Selectmen.

Article 22. Recommended.

Article 23. Recommended.

Article 24. Recommended that a committee be appointed to arrange for such celebration to be held at such time and place as they

see fit, and that said committee raise by popular subscription such sum of money as may be necessary for the celebration.

Article 25. This matter referred to a sub-committee who will report at Town Meeting.

Article 26. No recommendation made.

Article 27. Recommended that this article be dismissed owing to lack of funds and incapacity of the pumping station to supply such extension in its present condition.

Article 28. Recommended that the Highway Department make repairs necessary on Pine Street out of its regular appropriation, provided it can be found out that Pine Street has ever been accepted by the Town.

Article 29. Recommended that this Article be dismissed as no land has been seized.

Article 30. Recommended.

Article 31. Recommended that this Article be referred to the Park Commissioners for further report to the Town.

Article 32. Recommended that this be done under the direction of the Selectmen.

Article 33. As no bills have been presented by the Towns mentioned, this article is not recommended.

Article 34. Recommended.

Article 35. Recommended.

Article 36. Recommended.

Article 37. Recommended that the Town do not pay these bills.

Article 38. Recommended.

Attest:

ALBERT S. BULL, Clerk.

Under this Warrant the following vote was cast:

Selectmen	Votes
Thomas Talbot Clark	362
Forrest F. Collier	250
Ernest Drew	117
Laurence J. Greenwood	265
Thomas F. Sheridan	337
Andrew P. Sousa	133
William E. Turner	211
Roy Greenwood	1
Blanks	196

Assessor	
Ralph L. Dodge	213
William H. Hutchins	179
Charles H. Kemp	194
Blanks	38

Overseers of the Poor	
Richard J. Conway	466
Warren Holden	444
Coburn S. Smith	458
Blanks	504

Moderator

Charles H. Eames	476
Ernest Drew	1
Blanks	147

Town Clerk

Albert S. Bull	517
Ernest Drew	1
Blanks	106

Town Treasurer

Arthur S. Cook	509
Ernest Drew	1
Blanks	114

Collector of Taxes

Oscar Fellows	166
James A. Ruth	170
Charles A. Wright	248
Blanks	40

Surveyor of Highways

George J. Ennion	19
Harry W. Essex	177
Thomas F. McElligott	128
Edgar F. Twombly	297
Blanks	3

Constables

Henry D. Livingston	463
William H. O'Brien	479
Blanks	306

School Committee

Maurice A. Buck	503
George W. Smith	1
Blanks	123

Town Hall Sinking Fund Commission

Charles H. Eames	467
Blanks	157

Water Commissioner

Warren Holden	318
Isaac Hopkinson	272
Blanks	34

Schoolhouse Loan Sinking Fund Commissioner

Thomas Talbot Clark	450
Blanks	174

Cemetery Commission

John A. Richardson	449
Blanks	175

Tree Warden

Francis J. Dolan	476
John Bostwick	2
Blanks	146

Board of Health

Neil K. Forhan	441
Owen Flynn	1
Blanks.....	182

Park Commissioner

J. N. Parker	41
Norris I. Millbury	59
Thomas T. Clark	1
John Gunther	1
Thomas F. McElligott	1
Arthur L. Mahoney	3
Charles Wright	1
Warren H. Manning	4
Fred Reardon	5
Neil R. Mahoney	2
Warren Metcalf	1
Warren Holden	2
Francis J. Dolan	2
Edward F. Dickinson	1
Mark Allen	1
John F. Mullen	2
Frank Mahoney	4
George Ennion	1
William Phair	1
C. F. Collins	1
R. G. Wright	1
E. N. Bartlett	2
George A. Stowers	1
Fred Miller	1
Carl Delehanty	1
Forrest Collier	1
E. P. Sellew	1
John Richardson	1
Maurice A. Buck	1
Cassius White	1
Frank Spaulding	1
N. R. Jones	1
John M. Young	1
Blanks	476

Shall License be granted for the sale of Intoxicating Liquors in the
Town?

No	371
Yes	154
Blanks	99

Report of the Precinct Clerk

Billerica, Mass., Feb. 8, 1919.

Polls opened at 6 A. M. with the following officers present:

Warden, Dennis J. Mahoney
 Deputy Warden, Michael H. McElligott
 Clerk, Charles H. Bailey
 Deputy Clerk, Everett S. Bull
 Inspector, Philip B. Dolan
 Inspector, Frank L. Day
 Deputy Inspector, Timothy J. McCarthy, Jr.
 Deputy Inspector, Frank E. Walker, asked to be excused and
 Herbert A. King was appointed in his place.
 Number of ballots received, 900.
 Number of women's ballots received, 300.
 Number of ballots cast, 627.
 Polls closed at 4 P. M.
 The Moderator declared the vote at 9 P. M.

CHARLES H. BAILEY, Clerk.

The following action was taken:—

Article 1. Patrick Kennelly was chosen a member of the Bowers Fund Committee for a term of five years.

Article 2. Chose the Constables as Field Drivers. Chose the Selectmen as Fence Viewers. Chose as Measurers of Wood and Lumber the following: John E. Rowell, W. F. Symmes, B. W. Kearney, Charles A. Foster, Henry D. Livingston, Charles E. Morley, Voluntine Rollins, Thomas E. Smith, George E. Moore, Leslie W. Hammond, Voluntine M. Rollins, E. F. Colgate and W. F. Hayward.

Article 3. The Committee appointed at the last annual town meeting to draft an act relative to a Town Manager form of government finds very little favorable sentiment and feels that it is practically impossible to draft an act which will accomplish the desired results and stand any show of being accepted by the town.

Such an act, to be successful, requires enthusiastic support from a large number of the citizens; this Committee finds no evidence of such enthusiasm and is unanimously of the opinion that present consideration will be premature and useless.

EDGAR P. SELLEW.

Voted that this report be accepted and the committee discharged.

Article 4. Voted in the affirmative that the repair of the roads and bridges be in the care of the Highway Surveyor under the direction of the Selectmen.

Article 5. Appropriations were made as follows:—

Police Department	\$4,250.00
Incidentals	1,200.00
Maintenance of Halls	2,000.00
Common and Town Pump	150.00
Treasurer's and Collector's Bonds	220.00
Interest	10,000.00

Sinking Fund and Bond Interest, Town Hall	600.00
Sinking Fund and Bond Interest, School House	1,750.00
High School, Bond Interest	2,970.00
Town Notes	12,500.00
Water Department, Maintenance	12,000.00
Hydrants	4,125.00
Fire Dept., salaries, equipment and extension of service	7,000.00
Schools, including Dog Tax	41,000.00
Medical Inspection of Schools	500.00
Board of Health Expenses	700.00
Outside Relief	3,000.00
Town Farm	4,800.00
Moth	2,515.84
Elm Beetle	300.00
Tree Warden	200.00
Cemeteries	3,000.00
Park Commissioners for General Expenses	400.00
Care of Snow and Sanding Sidewalks	1,000.00
Repair of Roads, Macadam, Sidewalks, Bridges and Road Oil—including Excise Tax	12,000.00
Turnpike, 1500 ft. rail, cement top wall, to be expended under the direction of the Selectmen	2,000.00
Street Lighting	4,700.00
Memorial Day	125.00
Assessor's Special	250.00
Indexing Records	50.00
Printing	700.00
Reserve	2,000.00
Sinking Fund, Water Bonds	1,800.00
Salaries:—	
Selectmen	600.00
Collector of Taxes	700.00
Assessors	900.00
Overseers of the Poor	400.00
School Committee	180.00
Town Clerk	300.00
Town Treasurer	500.00
Town Accountant	700.00
Election Officers	225.00
Registrars of Voters	357.99
Sealer of Weights and Measures	100.00
Board of Health	150.00
Cattle Inspector	100.00
Forest Warden	100.00
Building Inspector	100.00
Industrial School	400.00

Voted in the affirmative that \$115,000.00 be raised under this article.

Article 6. It was unanimously voted that the Town Treasurer be and hereby is authorized, with the approval of the Selectmen, to borrow during the municipal year beginning January 1, 1919, in an-

icipation of the collection of taxes of said year, such sums of money as may be necessary for the current expenses of the Town, but not exceeding the total levy of said year, giving the notes of the Town therefor, payable within one year from the date thereof. All debts incurred under the authority of this vote shall be paid from the taxes of the present municipal year.

Article 7. Voted in the affirmative that three hundred dollars (\$300.00) be raised and appropriated for the care of the Stearns and Blanchard brooks, to be expended by a committee of three appointed by the Selectmen, and said committee shall draw plans for the permanent improvement of these brooks.

Article 8. Voted in the affirmative that three hundred dollars (\$300.00) be raised and appropriated for the purpose named in the article.

Article 9. Unanimously voted that two hundred dollars (\$200.00) be raised and appropriated for the purpose named in the article to be expended by a committee of three to be named by the moderator.

Article 10. Voted in the affirmative that the Town accept the provisions of Chapter 665 of the Acts of 1913, entitled "An Act to revise and codify the Building Inspection Laws of the Commonwealth," and that a building inspector be appointed by the Selectmen as provided for by vote of the Town at the Annual Meeting on Feb. 9, 1918.

Article 11. Voted in the affirmative that the Town raise and appropriate two thousand dollars (\$2,000.00) for the purpose named in the article, provided the State and County each furnish a similar amount.

Article 12. Voted in the affirmative that the Town raise and appropriate five hundred dollars (\$500.00) to complete the macadam on Lowell Street, between Colson Street and Holt Street, and to pay damages for land acquired in widening Lowell Street, provided the State and County shall each furnish a similar amount.

Article 13. Voted that the salary of the Chief Engineer of the Fire Department be six hundred dollars (\$600.00) per year until the Town votes otherwise.

Article 14. On motion of Mr. Sheridan it was voted that the Town raise and appropriate four hundred dollars (\$400.00) to lay a cement sidewalk in front of the North Billerica Manufacturing Company, provided the Company will donate a similar amount.

Article 15. Unanimously voted that the Town raise and appropriate the sum of one thousand dollars (\$1,000.00) for the purpose named in the article.

Article 16. On motion of Mr. Dickinson it was voted that the School Committee be authorized to keep a record of Billerica pupils attending the Lowell Industrial School and approve all necessary bills for the tuition of said pupils.

Article 17. On motion of Mr. Collier it was voted that the Town raise and appropriate five hundred dollars (\$500.00) to be expended under the direction of the Selectmen for properly recognizing the services of all Billerica men who have been in the service of the United States and Allies during the German War.

Article 18. Voted that one hundred dollars (\$100.00) be raised and appropriated for the purpose named in the article.

Article 19. Voted in the affirmative that the Town pay the Water Commissioners a salary of one hundred dollars (\$100.00) each per year beginning January 1, 1919.

Article 20. On motion of Mr. Wright it was voted to dismiss this article.

Article 21. Voted that the Fire Engineers be authorized to dispose of any unnecessary apparatus and equipment, subject to the approval of the Selectmen.

Article 22. Voted in the affirmative that the Town rescind the vote passed at the special town meeting held June 30th, 1917, under article 13, and raise and appropriate the sum of two thousand dollars (\$2,000.00) to be used by the Park Commissioners for improving the Charles H. Kohlrausch Playground.

Article 23. On motion of Mr. H. A. King the Town voted to raise and appropriate one thousand dollars (\$1,000.00) to purchase a Scurrier for the use of the Highway Department.

Article 24. Affirmatively voted that the Town raise and appropriate five hundred dollars (\$500.00) to be expended by the Selectmen for a Fourth of July Victory Celebration, said celebration to be held at such place as they see fit.

Article 25. Voted in the affirmative that a committee be appointed to take care of the accumulated income of the Abbott Singing Fund.

Article 26. Voted that this article be inserted in the warrant for the next town meeting.

Article 27. Voted that this matter be referred to a committee, who shall report at the next town meeting.

Article 28. Voted in the affirmative that the Town raise and appropriate four hundred dollars (\$400.00) for repairs on Pine Street.

Article 29. Under this article J. Harold Dale, Arthur Holden and Ralph L. Dodge were appointed tellers by the Moderator and sworn in by the Town Clerk.

Voted in the affirmative by vote of 85 to 22 that this article be indefinitely postponed.

Voted that a committee be appointed by acclamation to confer with the residents of Pine Street on this matter and report to the Town. Edgar P. Sellew, Charles H. Williams and J. Frank Mullen chosen as committee.

Article 30. Voted in the affirmative that the Town reappropriate the unexpended balance of four thousand nine hundred twenty-five dollars and forty-six cents (\$4,925.46) of the School Department for 1918 to the use of the School Committee.

Article 31. Voted in the affirmative that this article be accepted.

Article 32. Voted in the affirmative that three hundred dollars (\$300.00) be raised and appropriated for the purpose named in the article to be expended under the direction of the Selectmen.

Article 33. Voted that the Town raise and appropriate two hundred and fifty dollars (\$250.00) to be divided equally between the Fire Relief Associations of Tewksbury, Lowell, Bedford, Lexington and Woburn.

Article 34. On motion of Mr. Thomas T. Clark the Town voted that the Water Commissioners be instructed to buy the water bonds held by the Town Hall Sinking Fund at par and accrued interest before April 1, 1919.

Article 35. Voted in the affirmative that the Town raise and appropriate six hundred dollars (\$600.00) to pay the salary of the Milk Inspector for the years 1915, 1916, and 1917.

Article 36. Voted in the affirmative that \$5,964.97 be appropriated from the surplus account to pay the items named in the article.

Article 37. Voted in the affirmative that the Town shall not pay these bills.

Article 38. Voted in the affirmative that the Town raise and appropriate fifty dollars (\$50.00) for the purpose named in the article and Charles A. Wright was elected Director.

On motion of Mr. F. C. Vining a rising vote of thanks was extended to Mr. Charles H. Eames for his impartial service as Moderator.

Attest:

ALBERT S. BULL, Town Clerk.

Finance Committee for 1919 as appointed by the Moderator:—A. H. Mitchell, Frank L. Day, Frank H. Alexander, John A. Richardson, George P. Greenwood, Patrick J. Mahoney, Edgar P. Sellew, Charles H. Williams, Bernard W. Kearney, Ivory M. Hanson, Albert H. Jones, and Arthur C. Barker.

Under Article 9, the following committee was appointed to improve the drainage of Mt. Pleasant Street in the vicinity of the B. & M. Railroad Bridge:—E. P. Sellew, Ivory M. Hanson and Edgar F. Twombly.

Under Article 25 the following committee was appointed to care for the accumulated income of the Abbott Singing Fund:—Herbert Jacobs, George P. Greenwood, Thomas Ellis, James H. Gannon, Thomas Jennings, and Edward Spaulding.

Under Article 27 the Water Commissioners were appointed as a Committee to investigate the matter of extension of the water main from Fullers Corner to the Billerica-Burlington Line.

Attest:

ALBERT S. BULL, Town Clerk.

WARRANT

Town of Billerica

COMMONWEALTH OF MASSACHUSETTS.

Middlesex, ss.

To either of the Constables of the Town of Billerica:

GREETING:

In the name of the Commonwealth, you are hereby required to notify and warn the inhabitants of said Town who are qualified to vote in Primaries, to meet in Precinct 1, Town Hall, Billerica; Precinct 2, Union Hall North Billerica, Tuesday, the 23rd day of September, 1919, at 2 o'clock p. m., for the following purposes:

To bring in their votes to the Primary Officers for the Nomination of Candidates of Political Parties for the following offices:

Governor, Lieutenant Governor, Secretary of the Commonwealth, Treasurer and Receiver General, Auditor of the Commonwealth, Attorney-General, Councillor for the 6th Middlesex Councillor District, Senator for the 7th Middlesex Senatorial District, one Representative in General Court for the 17th Middlesex Representative District, County Commissioner, Two Associate Commissioners, District Attorney.

And for the election of the following officers:

District Member of State Committee for each political party for the 7th Middlesex Senatorial District.

Twelve Members of the Democratic Town Committee.

Twelve Members of the Republican Town Committee.

Delegates to State Conventions of Both Political Parties.

All the above candidates and officers are to be voted for upon one ballot.

The polls will open from 2 p. m. to 8 p. m.

And you are directed to serve this Warrant by posting attested copies thereof eight days at least before the time of said meeting as directed by vote of the Town.

Hereof fail not, and make return of this Warrant, with your doings thereon, at the time and place of said meeting.

Given under our hands this eighth day of September, A. D. 1919.

THOMAS F. SHERIDAN,
THOMAS TALBOT CLARK,
LAURENCE J. GREENWOOD,
Selectmen of Billerica.

Billerica, September 23, 1919.

I have served the above warrant as therein directed.

HENRY D. LIVINGSTON,
Constable.

Under the foregoing warrant the following vote was cast:

DEMOCRATIC

Governor

	Prec. 1	Prec. 2	Total
Frederick Dietrick	1	3	4
Eugene N. Foss		3	3
Richard H. Long	9	23	32
George F. Nonohan		3	3
Blanks	0	0	0

Lieutenant-Governor

John F. J. Herbert	8	24	32
Blanks	2	8	10

Secretary

Charles H. McGlue	7	21	28
Blanks	3	11	14

Treasurer

Chandler M. Wood	7	23	30
Blanks	3	9	12

Auditor

Arthur J. B. Cartier	7	21	28
Blanks	3	11	14

Attorney-General

Joseph R. Conry	7	22	29
Blanks	3	10	13

Councillor

Blanks	10	30	40
John F. Frasier		2	2

Prec. 1 Prec. 2 Total

Senator

Charles H. Burns	7	19	26
Blanks	3	13	16

Representative in General Court

Thomas F. Sheridan		1	1
Blanks	10	31	41

County Commissioner

Smith J. Adams	1	0	1
Blanks	9	32	41

Associate Commissioners

Blanks	20	64	84
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District Attorney

William E. Russell	8	17	25
Blanks	2	15	17

State Committee

Dennis J. Mahoney	0	1	1
Blanks	10	31	41

Delegates to State Convention

Carl Delehanty	0	1	1
Thomas McElligott	0	1	1
Timothy J. McCarthy	0	2	2
John S. Welsh	0	1	1
William Taylor	0	2	2
Blanks	20	57	77

Town Committee

Wendell P. Stevens	3	0	3
Michael H. McElligott	2	0	2
Francis J. Dolan	2	1	3
John Verner	2	0	2
Fred Reardon	2	1	3
John Bradley	1	0	1
Philip Dolan	1	1	1
Timothy Mahoney	0	2	2
John R. Conway	0	2	2
Charles Nugent	0	1	1
Edward Costello	0	9	9
Thomas McElligott	0	6	6
Timothy J. McCarthy	0	3	3
John Lyons	0	3	3
John McSweeney	0	2	2
Charles Bradley	0	1	1
Dennis Mahoney	0	3	3
Arthur Mahoney	0	3	3
John Kiggins	0	2	2
Martin Shalloo	0	2	2

	Prec. 1	Prec. 2	Total
Daniel McSweeney	0	1	1
John S. Welch	0	1	1
Edward Riley	0	1	1
Charles Cowdrey	0	2	2
William Costello	0	1	1
Howard Conway	0	2	2
John Twomey	0	1	1
Charles Fairbrother	0	1	1
Blanks	47	18	65

REPUBLICAN

Governor

Calvin Coolidge	83	84	167
Blanks	0	7	7

Lieutenant-Governor

Channing H. Cox	81	83	164
Blanks	2	8	10

Secretary

Albert P. Langtry	80	80	160
Blanks	3	11	14

Treasurer

Fred J. Burrell	23	25	48
Charles L. Gifford	5	3	8
Fred P. Greenwood	12	30	42
Frederick N. Kerr	3	2	5
Frank S. Perkins	26	19	45
Frederick E. Pierce	7	7	14
Blanks	7	5	12

Auditor

Alonzo B. Cook	78	77	155
Blanks	5	14	19

Attorney-General

J. Weston Allen	34	34	68
Robert J. Bottomley	5	22	27
James Mott Hallowell	11	2	13
William Harold Hitchcock	15	10	25
Clarence W. Rowley	3	5	8
David Stoneman	5	7	12
Blanks	10	11	21

Councillor

James G. Harris	41	26	67
Fred P. Lewis	36	58	94
Blanks	6	7	13

	Prec. 1	Prec. 2	Total
Senator			
Edward B. Eames	36	23	59
Gardner W. Pearson	45	62	107
Blanks	2	7	13
Representative in General Court			
Maurice A. Buck	71	84	155
Blanks	12	7	19
County Commissioner			
Smith J. Adams	9	18	27
Erson B. Barlow	22	40	62
Arthur W. Colburn	48	25	73
Blanks	4	8	12
Associate Commissioners			
Frederic P. Barnes	60	66	126
H. Harding Hale	56	57	113
Blanks	50	59	109
District Attorney			
Nathan A. Tufts	79	82	161
Blanks	4	9	13
State Committee			
Louis Pfeiffer	75	75	150
Blanks	8	16	24
Delegates to State Convention			
Frank L. Day	77	72	149
Charles H. Bailey	78	73	151
Dana H. Spiller	73	69	142
Blanks	21	59	80
Town Committee			
Thomas T. Clark	74	74	148
John Brown	72	72	144
Charles H. Bailey	72	67	139
Frederic G. Brown	73	68	141
Robert Tivey	70	67	137
Bernard Fetherston	72	71	143
Herbert A. King	73	72	145
Warren Holden	73	69	142
George Perry	73	69	142
Ralph L. Dodge	74	67	141
James F. Fuller	72	65	137
Dana H. Spiller	71	67	138
Everett Bull	1	0	1
Eugene Stowell	1	0	1
Charles A. Wright	1	0	1
Blanks	124	264	388

REPORT OF PRECINCT CLERKS

Billerica, Mass., Sept. 23, 1919.

Polls opened at 2 P. M. with seven officers present, eighth man appeared later—all sworn.

Polls closed at 8 P. M. with ninety-three votes cast—ten Democrats and eighty-three Republicans.

Ballots counted and totals read at 9.30 P. M.

CHARLES A. WRIGHT, Clerk.

Precinct 2.

Polls opened at 2 o'clock. Election Officers:

Warden—Frederic G. Brown.

Deputy Warden—Charles H. Bailey.

Clerk—Timothy J. McCarthy, Jr.

Deputy Clerk—Edward R. Costello.

Inspector—Martin Shalloo elected in place of J. R. Kiggins.

Inspector—Frank Walker.

Deputy Inspector—John J. Ritchie.

Deputy Inspector—John J. Lyons.

350 Republican Ballots received.

200 Democratic Ballots received.

Republican Ballots cast, 91.

Republican Ballots returned, 259.

Democratic Ballots cast, 32.

Democratic Ballots returned, 168.

Polls closed at 8 P. M.

TIMOTHY J. MCCARTHY, Jr., Clerk.

Attest:

ALBERT S. BULL, Town Clerk.

WARRANT

Annual State Election, Town of Billerica

COMMONWEALTH OF MASSACHUSETTS.

Middlesex, ss.

To either of the Constables of the Town of Billerica:

GREETING:

In the name of the Commonwealth of Massachusetts, you are hereby required to notify the inhabitants of said Town who are qualified to vote in elections and Town affairs to meet at Precinct One, Town Hall, Billerica; Precinct Two, Union Hall, North Billerica, at 6 o'clock a. m., Tuesday, the fourth day of November, 1919, to bring in their votes on one ballot for the following officers:

Governor, Lieutenant-Governor, Secretary of the Commonwealth, Treasurer, Auditor, Attorney-General, Councillor, Senator for the 7th Senatorial District, One Representative in General Court for the 17th Middlesex Representative District, County Commissioner, Two Associate County Commissioners, District Attorney.

Also to act upon the following questions:

Acceptance of the re-arrangement of the Constitution of the Commonwealth, submitted by the Constitutional Convention.

Acceptance of Chap. 311, General Acts of 1919, entitled "An Act relative to the establishment and maintenance of continuation schools and courses of instruction for employed minors."

Acceptance of Chap. 116, General Acts of 1919, entitled "An Act to authorize savings banks and institutions for savings, and trust companies having savings departments, to place deposits on interest monthly." (Referendum.)

The polls may close at 4 o'clock p. m.

And you are directed to serve this Warrant by posting attested copies thereof eight days at least before the time of said election.

Hereof fail not, and make due return of this Warrant, with your doings thereon at the time and place of said election.

Given under our hands this twenty-second day of October, in the year of our Lord nineteen hundred and nineteen.

THOMAS F. SHERIDAN,
THOMAS TALBOT CLARK,
LAURENCE J. GREENWOOD,

Selectmen of the Town of Billerica.

Billerica, Mass., November 4, 1919.

I have served the above warrant as therein directed.

HENRY D. LIVINGSTON,
Constable.

Under the above warrant the following vote was cast:

Governor			
	Prec. 1	Prec. 2	Total
Calvin Coolidge	305	222	527
Charles B. Ernst	1	0	1
William A. King	4	6	10
Richard H. Long	43	167	210
Ingvar Paulsen	1	0	1
Blanks	3	2	5
Lieutenant-Governor			
Charles J. Brandt	7	11	18
Channing H. Cox	292	196	488
H. Edward Gordon	1	4	5
John F. J. Herbert	35	168	203
Patrick Mulligan	11	6	17
Blanks	11	12	23
Secretary			
Harry W. Bowman	8	9	17
James Hayes	3	5	8
Albert P. Langtry	277	183	460
Charles H. McGlue	34	143	177
Herbert H. Thompson	4	14	18
Blanks	31	23	54
Treasurer			
Fred J. Burrell	236	203	439
David Craig	1	1	2
Charles D. Fletcher	3	5	8
Louis Marcus	6	11	17
Chandler M. Wood	85	154	239
Blanks	26	23	49

Auditor

	Prec. 1	Prec. 2	Total
Arthur J. B. Cartier	42	140	182
Alonzo B. Cook	283	207	490
Oscar Kinsalas	3	2	5
Walter P. J. Skahan	3	12	15
Henry J. D. Small	4	4	8
Blanks	22	32	54

Attorney General

J. Weston Allen	283	209	492
Morris I. Becker	4	5	9
Joseph A. Conry	36	142	178
Conrad W. Crooker	4	2	6
William R. Henry	5	12	17
Blanks	25	27	52

Councillor

James Harris	276	242	518
Blanks	81	155	236

Senator

Charles H. Burns	44	137	181
Gardner W. Pearson	277	232	509
Blanks	36	28	64

Representative in General Court

Maurice A. Buck	309	305	614
Richard Condon	0	1	1
Blanks	48	91	139

County Commissioner

Erson B. Barlow	276	246	522
Charles J. Barton	43	115	158
Blanks	38	36	74

Associate Commissioners

Frederic P. Barnes	264	215	479
H. Harding Hale	173	161	334
Blanks	277	418	695

District Attorney

William E. Russell	52	130	182
Nathan A. Tufts	273	244	517
Blanks	32	23	55

Shall the Rearrangement of the Constitution of the Commonwealth, submitted by the Constitutional Convention, be approved and ratified?

Yes	177	171	348
No	31	59	90
Blanks	149	157	306

Shall an Act passed by the General Court in the year nineteen hundred and nineteen, entitled "An Act relative to the establishment and maintenance of continuation schools and courses of instruction for employed minors," be accepted?

Yes	180	141	321
No	32	27	59
Blanks	145	229	374

Shall Chapter 116, General Acts of 1919, approved by the General Court without division, which provides that deposits in savings banks and savings departments of trust companies may be placed on interest once a month and not oftener; that dividends on such deposits may be declared semi-annually and not oftener, and that interest shall not be paid on any such deposits withdrawn between dividend days, be approved?

Yes	158	179	337
No	63	73	136
Blanks	136	145	281

REPORT OF PRECINCT OFFICERS

Precinct 1.

Polls opened at 6 A. M. with full number of officers present.
 Ballot box opened at 10:30 and 150 ballots taken out.
 Ballot box opened at 12 M. and 50 ballots taken out.
 At 1:55 P. M. it was unanimously voted that the polls be closed at 4:20 P. M.
 Ballot box opened at 3:45 P. M. and 100 ballots taken out.
 Polls closed at 4:20 P. M. Total number of ballots cast, 357.
 Check list count 357. Ballot box register 357. Count announced 5:55 P. M.

CHARLES A. WRIGHT, Clerk of Election. ,

Precinct 2.

Polls opened at 6 A. M.
 The following election officers were present:
 Warden—Frederic G. Brown.
 Deputy Warden—Charles H. Bailey.
 Clerk—Timothy J. McCarthy, Jr.
 Deputy Clerk—Edward R. Costello.
 Inspector—Martin Shalloo in place of John R. Kiggins.
 Inspector—Frank Walker.
 Deputy Inspector—Daniel Condon in place of John J. Lyons.
 Deputy Inspector—John J. Ritchie.
 Number of Ballots received, 600.
 Number of Ballots cast, 397.
 Number of Ballots returned, 203.

TIMOTHY J. MCCARTHY, JR., Clerk.

Attest:

ALBERT S. BULL, Town Clerk.

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex

Office of the Town Clerk.

November 14, 1919, at 12 o'clock M.

We, the undersigned, Clerks of the towns included in the Seventeenth Middlesex Representative district, certify: That a meeting of said Clerks was holden as directed by Section 322, Chapter 835, Acts of 1913, at the place designated by the County Commissioners, to wit: at the Town Hall, Tewksbury, on the date and at the time above written for the purpose of determining who appeared to be elected to the office of Representative in the General Court from said District, and that they did examine and compare the record of votes given in for said office at the Election holden on the 4th day of November, A. D., 1919, in the towns of Tewksbury, Billerica, Burlington, Dracut, North Reading and Wilmington of which said District is comprised; and we further certify the following to be a true and complete schedule of all the persons voted for for Representative in the said District and as shown by the said copies of record the number of votes for each person:

Maurice A. Buck of Billerica, seventeen hundred seventy-one votes.

Richard Condon of North Billerica, one vote.

Blanks, five hundred forty-eight.

Whole number ballots, twenty-three hundred twenty.

PETER W. CAMERON, Town Clerk of Tewksbury.

ALBERT S. BULL, Town Clerk of Billerica.

SELWYN H. GRAHAM, Town Clerk of Burlington.

JOHN W. BRENNAN, Town Clerk of Dracut.

HERBERT L. ABBOTT, Town Clerk of North Reading.

JAMES E. KELLEY, Town Clerk of Wilmington.

Attest:

ALBERT S. BULL, Town Clerk.

BIRTHS RECORDED IN BILLERICA DURING 1919

No.	Date	Name of Child	Name of Parents
1	Jan. 6	George William Livingston	William and Marion
2	Jan. 12	Still born Burris	William and Mildred
3	Jan. 13	Robert Lionel Loupret	Lionel and Sarah
4	Jan. 2	Walter Emanuel Larson	Louis and Ida
5	Jan. 19	Frances Hattie Austin	Dana and Helen
6	Feb. 5	John Patrick McCauley	John and Eva
7	Feb. 16	Walter Edgar Drew	Ernest and Hazel
8	Feb. 10	Virginia Maria Monty	William and Marie
9	Feb. 19	Barbara Gertrude McSweeney	Eugene and Alice
10	Feb. 22	Thomas O'Sullivan	Thomas and Bridget
11	Feb. 24	Marjorie Frances Shaw	James and Susan
12	Mar. 21	Robert William Potter	Everett and Mary
13	Mar. 27	Charles Robert Morris	William and Florence
14	Mar. 28	Margaret Claire Lyons	Philip and Ambrosine
15	Mar. 31	——— Green	Norris and Cora
16	Apr. 13	Edwin Francis Martin	Joseph and Annie
17	Apr. 9	Neil Francis Noonan	Timothy and Eleanor
18	Apr. 14	Arthur Carleton Hennessey	George and Lottie
19	Apr. 17	Jean Grant Brown	Wallace and Jeanie
20	Jan. 12	John Douglas Lloyd	Archibald and Matilda
21		Antoni Sienowski	Stanley and Stella
22	Mar. 21	Grace Indella	Toney and Palma
23	Apr. 13	Thomas Talbot Clark, Jr.	Thomas and Eugenia
24	Apr. 28	Dorothy Rose Leland	Thomas and Mary
25	May 1	Still born Hamel	Ed and Marie
26	May 4	——— Battock	James and Margaret
27	May 10	Walter Edwin True	Earle and Garda
28	May 12	Annie Delanis	Joseph and Annie
29	May 25	Eleanor Florence Grand	Charles and Marie
30	May 27	Ernest Edward Salisbury	Henry and Neta
31	May 29	Thomas Frederick Knight	Thomas and Nellie
32	May 30	Harrison McKinley Rainie	Harrison and Alice
33	June 3	Sam Melanchrino	Joe and Felicia
34	June 5	Marjorie Pearl Brown	Thomas and Mildred
35	June 8	Francis Henry Moulton	Michael and Mary
36	June 25	Edward Richard Morgan	Edward and Florence
37	July 4	Edward Sheehan	Leo and Mary
38	July 9	Edward Joseph Gagnon	Edward and Blandina
39	July 13	Frederick Haslam Brown	Frederick and Edith
40	July 14	Dorothy Bourque	Leander and Agnes
41	July 14	Rita Valida Bourque	Leander and Agnes
42	July 16	Elizabeth Sykes	George and Matilda
43	July 22	Kenrick Barnes	Stuart and Blanche
44	July 22	Fatoun Apaied	Kedar and Junela
45	July 25	Still born Martin	David and Catherine
46	July 25	Virginia Clifton Thommen	Edward and Edith
47	July 30	Joseph Zbeig	John and Julia

No.	Date	Name of Child	Name of Parents
48	Aug. 2	Francis Forrest Mahoney	Louis and Olive
49	Aug. 10	Surpoohy Karoghlanian	Dick and Haykanoosh
50	Aug. 21	———— Bansbeck	Mervin and Hazel
51	Aug. 23	———— Gates	John and Ruth
52	Aug. 24	Roger Bigold	Auguste and Rose
53	Aug. 25	———— Jones	John and Mary
54	Aug. 26	Martin Lane Kennelly, Jr.	Martin and Etta
55	Sept. 28	Charles Henry Pettis	Charles and Anna
56	Sept. 28	———— Pickard	Samuel and Mary
57	Oct. 3	James Stillman Frost	Clarence and Martha
58	Oct. 8	———— Horman	Charles and Elizabeth
59	Oct. 8	Anita Bernardette Dewire	Francis and Alice
60	Oct. 12	Clarence Frederick Shattuck	George and Annie
61	Oct. 29	Alice Chyzenski	John and Mary
62	Oct. 29	———— Morgan	John and Nellie
63	Oct. 31	John Coffey	John and Mary
64	Nov. 2	Marion Elizabeth Mahoney	Fletcher and Marion
65	Nov. 4	———— O'Connor	Arthur and Alice
66	Nov. 6	Winifred Louise Crowell	John and Ethel
67	Nov. 10	———— Hansen	Hans and Mary
68	Nov. 12	Mary Helene Scott	Charles and Mary
69	Nov. 13	———— Dutile	Joseph and Emma
70	Nov. 19	———— Olesen	F. A. and Beatrice
71	Nov. 23	Stephen Zebelinski	Frank and Stanislawn
72	Nov. 23	Jerome Hurley	Jeremiah and Catherine
73	Nov. 28	———— McGuinnis	James and Mary
74	Dec. 10	Clyde Graham Wallace	Herbert and Rachael
75	Dec. 10	Howard Smith Hammond	Henry and Edith
76	Dec. 10	———— Phillips	Wendell and Louise
77	Dec. 16	———— Smith	Fred and Frances
78	Dec. 27	———— Jollimore	Ross and Mabel
79	Dec. 29	Margaret Mongan	Harold and Mabel
80	Jan. 1	Frank Visniewski	Stanley and Carolina
81	June 20	Robert Nelson Plourde	Joseph and Mary
82	Sept. 8	Verona Lillian Johnson	Robert and Florence

Attest:

ALBERT S. BULL,
Town Clerk.

MARRIAGES RECORDED IN BILLERICA DURING 1919

No.	Date	Name	Residence
1	Jan. 15	Timothy Sheehan	North Billerica
		Anna Carrig	Lowell
2	Mar. 4	John Y. Morgan	Billerica
		Nellie M. Fayton	Billerica
3	Apr. 19	Horatio Arnold Hall	Springfield
		Minnie Seton Dyson	North Billerica
4	Apr. 21	Frank V. Mahoney	North Billerica
		Anna R. McCusker	North Billerica
5	May 4	Arthur Thomas Gorton	Woburn
		Claire Perry	Woburn
6	May 11	Ernest Freeman Banks	Billerica
		Leona Elvira Raggio	Billerica
7	May 12	Oscar Joseph Potvin	North Billerica
		Marianne Eva Lambert	Manchester, N. H.
8	May 19	John Russell Godet	Billerica
		Elizabeth Frances Finnegan	Lowell
9	May 22	Daniel G. Palmer	Allston
		Bertha G. Kibby	Billerica
10	May 27	Herbert S. Corliss	Billerica
		Blanche Birkmaier (Cook)	Everett
11	June 4	Joseph Edward Archambault	Manchester, N. H.
		Rose Therrien	North Billerica
12	June 9	Joseph H. Cronin	Lowell
		Isabel I. Fairbrother	North Billerica
13	June 10	John J. Maloney	Lowell
		Agnes M. Collins	North Billerica
14	June 10	Arthur J. LeLacheur	North Billerica
		Alma D. Baril	North Billerica
15	June 12	Albert J. Loranger	North Billerica
		Rose Grady (Landry)	Ipswich
16	June 12	Josiah Hardwick Collins	Billerica
		Alberta Ernestine Hatfield	Everett
17	June 16	Rossi Paul Burns	Lowell
		Bernice Trefry	North Billerica
18	June 18	George Kachadur Topjian	Lowell
		Grace Darling Balmforth	North Billerica
19	June 21	Elvet E. Laird	Billerica
		Marguerite F. Atwood	Billerica
20	June 21	Harry Edward Pinney	Billerica
		Anna Belle Braley	Billerica
21	June 29	Matthew James Bennett	Billerica
		Irene Margaret Sheehan	Woburn
22	July 5	Harry R. Chambers	North Billerica
		Florence Hathaway	North Billerica
23	July 12	Frederick C. T. Jenney	Billerica
		Elizabeth E. Elder	Billerica

No.	Date	Name	Residence
24	July 22	James O'Brien	North Billerica
		Gertrude LaLacheur	North Billerica
25	July 29	Harley McCauley	North Billerica
		Nora Hayes	North Billerica
26	Aug. 6	George L. Darling	Lowell
		Eleanor E. Nickerson	North Billerica
27	Aug. 6	Louis Safford Howland	South Braintree
		Edna Maude Robinson	Billerica
28	Aug. 12	Albert Earle Boutwell	Woburn
		Eva Margaret Rodgers	Billerica
29	Aug. 13	Arthur O'Toole	North Billerica
		Diana Normand	Lowell
30	Aug. 18	Wesley Norman Phillips	Woburn
		Annie Garside	Arlington Heights
31	Aug. 23	Alexander C. Salisbury	Lowell
		Margaret Groves Driscoll	Lowell
32	Aug. 23	Nyles H. Eaton	North Billerica
		Agnes L. Prael	Manchester, N. H.
33	Aug. 25	Robert Ashworth	North Billerica
		Alice Maxwell (Lea)	North Billerica
34	Aug. 26	Thure E. Gilenson	Lowell
		Elizabeth E. Swenson	North Billerica
35	Aug. 30	Byron P. Lohnes	Billerica
		Lillian Ethel Nelson	Everett
36	Aug. 31	Nicola Genetti	Bedford
		Rose Ravera	North Billerica
37	Sept. 1	T. Joseph Hayes	North Billerica
		Rita M. Collins	Billerica
38	Sept. 3	Thomas Healy	Lowell
		Rose McKay	North Billerica
39	Sept. 6	Roy B. MacLean	Billerica
		Lulu B. Gray (Malone)	Billerica
40	Sept. 6	Philip Dussault	Billerica
		Hazel M. Blood	Billerica
41	Sept. 16	Alden B. Richardson	Billerica
		Marion G. Gleason	Billerica
42	Sept. 19	Allan F. Hall	North Billerica
		Helen M. Purinton	Lewiston, Me.
43	Oct. 1	Leslie V. Winship	Billerica
		Edna J. Dodge	Arlington
44	Oct. 6	Norman MacDonald	Billerica
		Bertha Ellen Dimock	Billerica
45	Oct. 11	George Almer Stowers	Billerica
		Mary Luella Hutchins	Billerica
46	Oct. 12	Thomas Battock	Billerica
		Bridget Christopher (Malone)	Billerica
47	Oct. 12	John D. Donovan	Woburn
		Anna V. Lyons	Billerica
48	Oct. 14	George Hiram Barker	Billerica
		Leona Adele Barker (Barrett)	Billerica

No.	Date	Name	Residence
49	Oct. 15	Joseph Warren Ellis	Billerica
		Gladys May Howe	Billerica
50	Oct. 22	Joseph M. Gannon	North Billerica
		Mary E. Holly	North Billerica
51	Oct. 22	Edward Henry Sullivan	Lowell
		Arlena M. Simpson	North Billerica
52	Oct. 22	Harry Dunlap Brown	Billerica
		Blanche Libby Meserve	Roxbury
53	Oct. 25	George M. Kimball	Lowell
		Bertha Keefe	North Billerica
54	Oct. 25	Edward A. Elfstrom	Billerica
		Eda M. Anderson	Woburn
55	Oct. 28	Harvey P. Brown	Billerica
		Helen Choate Robb	Lexington
56	Nov. 26	Fred Ernest Hargraves	Forest Hills
		Helen Doris Livingston	Billerica
57	Nov. 29	Arthur L. Smith	Billerica
		Grace M Dobbin (Benedict)	Boston
58	Dec. 27	Hershal R. Hoyt	North Billerica
		Mary L. Cote	North Billerica

Attest:

ALBERT S. BULL,
Town Clerk.

DEATHS RECORDED IN BILLERICA DURING 1919

No.	Date	Name	Yrs.	Mths.	Dys.
1	Jan. 1	Ernest C. Towle	45	—	9
2	Jan. 1	Lillian M. Owen	31	4	27
3	Jan. 4	Everett W. Potter	40	—	—
4	Jan. 8	Mary A. F. Kearney	42	2	2
5	Jan. 12	No name Burris	—	—	—
6	Jan. 14	Mary N. Casey	56	—	—
7	Jan. 15	Mary E. Pasho	34	11	—
8	Jan. 20	William L. Gardner	51	6	—
9	Jan. 22	William Buckley	72	7	—
10	Jan. 23	John Douglas Lloyd	—	—	11
11	Feb. 5	Wilbur A. Lewis	4	—	14
12	Feb. 10	George Edward Uhlig	7	—	19
13	Feb. 18	Abigail Jaquith	83	—	15
14	Feb. 20	Edward L. Porter, Jr.	3	7	—
15	Feb. 24	William Chauncey Sweet	4	2	15
16	Feb. 23	Thomas O'Sullivan	—	—	2
17	Mar. 11	Isaac C. Newell	19	3	—
18	Mar. 15	John H. Mahoney	48	—	—
19	Mar. 18	Albina A. Sheehan	24	—	—

No.	Date	Name	Yrs.	Mths.	Dys.
20	Mar. 24	Ameli Salens	53	1	16
21	Mar. 25	Ernest D. Jacobson	33	—	—
22	Apr. 1	Margaret K. Berger	37	7	10
23	Apr. 28	Robert Loupret	—	3	15
24	May 1	Still born Hamel	—	—	—
25	May 10	Eliza C. Richardson	57	1	9
26	May 12	Olive M. Merriam	39	7	—
27	May 13	Wealthy A. Hutchins	81	1	12
28	May 16	Henry McKay	—	—	1
29	May 22	George T. Dimock	21	9	18
30	May 31	William Joshua Rounds	63	11	7
31	May 1	Jothan S. Bradeen	77	2	—
32	May 12	Joseph H. Fuller	49	2	5
33	June 9	Daniel Holden	66	—	26
34	June 12	Frank S. Bartlett	68	8	12
35	June 17	George W. Hoyle	74	3	26
36	June 22	Catherine Loftus	48	7	15
37	July 2	Lottie J. Eaton	50	3	—
38	July 14	Dorothy Bourque	—	—	—
39	July 25	Still born Martin	—	—	—
40	July 26	Ora M. Snell	78	9	29
41	July 28	Margaret Etta Esty	40	10	2
42	July 28	Elizabeth Glass Sykes	—	—	12
43	July 29	Gertrude A. Wright	—	8	—
44	Aug. 6	Catherine Kenney	76	—	—
45	July 27	Unknown Skeleton Male	—	—	—
46	Aug. 7	Margaret Shipsey	—	1	25
47	Aug. 7	George Lester Poland	56	5	21
48	Aug. 10	Everett L. Hawes	47	5	—
49	Aug. 12	Frank Atherton Messinger	13	3	29
50	Aug. 17	Henry J. Mahoney	31	2	6
51	Aug. 25	Frederick E. Hannon	41	3	—
52	Aug. 27	Gertrude M. Rand	71	—	16
53	Aug. 28	Raymond Simonds	—	—	—
54	Aug. 31	Still born Casey	—	—	—
55	Sept. 8	Bertram S. Ward	48	3	6
56	Sept. 20	James R. Adams	84	—	—
57	Sept. 26	Mary J. Merriam	85	5	21
58	Oct. 1	Jennie Isolett Hanson	41	3	30
59	Oct. 3	Edwin Stott	38	10	16
60	Oct. 6	Fred R. Gray	54	10	3
61	Oct. 18	Janina Shello	—	2	21
62	Oct. 24	Lewis Wyman Holden	76	—	22
63	Oct. 25	Lawrence McCall	64	7	16
64	Sept. 20	Andrew McIntosh	16	—	—
65	Nov. 4	———— O'Connor	—	—	—
66	Nov. 16	Tyrus Lloyd McCauley	5	9	21
67	Nov. 23	Virginia Elizabeth Bicknell	2	—	9
68	Nov. 23	Jerome Hurley	—	—	—
69	Nov. 27	Josephine Baril	48	10	5

No.	Date	Name	Yrs.	Mths.	Dys.
70	Nov. 30	Earle Cofran	—	2	11
71	Oct. 13	Benjamin F. Fenton	62	6	9
72	Oct. 29	Frances Sweeney	21	4	21
73	Nov. 2	James W. Lewis	90	11	—
74	Nov. 8	Francis Connors	1	3	28
75	Nov. 9	Olga L. Greenwood	41	5	1
76	Dec. 12	Margaret Davies	73	10	4
77	Dec. 14	John Y. Morgan	—	1	15
78	Dec. 14	Harriet B. Rogers	85	8	2
79	Dec. 19	Abigail Richardson Beard	85	2	15
80	Dec. 23	William F. Symmes	70	4	23

Attest:

ALBERT S. BULL,
Town Clerk.

PERSONS HAVING DOGS LICENSED DURING THE YEAR 1919

1 John Riley	31 John W. Stott
2 Mrs. Eva Towle	32 Harry Pasho
3 Robert Joncheere	33 Sadie Burgess
4 Sarah L. Fenton	34 Mrs. H. G. Watts
5 Mrs. Mary F. O'Keefe	35 Frank Lundgren
6 Joseph Boucher	36 Thomas F. Murphy
7 Warren C. Shedd	37 Forrest E. Pooler
8 A. W. Burnham	38 Charles S. Myers
9 Leslie S. Peavey	39 George Dimock
10 Frank Alexander	40 W. M. Gross
11 B. W. Kearney	41 T. A. Crosby
12 Everett W. Hawes	42 William Kinsman
13 Arthur Hallenborg	43 William F. Megow
14 William Reedy	44 R. T. Baisley
15 Nelson Plourde	45 William H. Marston
16 Florence Shed	46 C. A. Backer
17 George P. Greenwood	47 L. A. Scott
18 Gertrude Ingram	48 C. W. White
19 Ivar Helim	49 John Cochrane
20 Arthur J. LeLacheur	50 Thomas T. Clark
21 John Mason	51 John Brown
22 J. W. Gates	52 Mrs. C. A. Schult
23 Grace Biggerstaff	53 W. B. Hurd
24 John J. Donovan	54 John Bell
25 Charles Martindale	55 August Elfstrom
26 W. A. Savage	56 Frank L. Day
27 M. J. McElligott	57 L. F. Willard
28 Ralph L. Dodge	58 J. Hardwick
29 Clarence A. Bowman	59 Gordon W. Holden
30 J. Frank Mullen	60 Arthur L. Mahoney

61 Victor Nagelin	113 Harry J. Brown
62 B. W. Stearns	114 William Hall
63 Walter Pierce	115 Frederick Sheridan
64 Walter Pierce	116 Peter Rimshon
65 Mrs. Fred R. Lewis	117 Hector Patnaude
66 W. B. Hurd	118 Charles W. Flanders, Jr.
67 S. P. Beard	119 Royal B. Holden
68 John P. Davison	120 Royal B. Holden
69 John P. Davison	121 Chester Page
70 Charles Gilbert	122 P. F. Holden
71 W. W. Nason	123 P. F. Holden
72 Thomas Collinge	124 H. B. Richardson
73 A. H. Wilbur	125 Crow Estate
74 Angie Eaton	126 Crow Estate
75 Mrs. Charles Morley	127 W. Klemka
76 Mrs. Charles Morley	128 Mary Loucraft
77 Albert Berger	129 George Loucraft
78 Edith H. Emerson	130 J. B. Robinson
79 Edith H. Emerson	131 Mrs. F. L. Gleason
80 Edith H. Emerson	132 Mrs. F. L. Gleason
81 Edith H. Emerson	133 Frederick Brown
82 Edith H. Emerson	134 Susie Miller
83 Thomas W. Evans	135 Mrs. A. W. McCullah
84 Charles F. Pillsbury	136 Howard Simonds
85 V. H. J. Belle-Isle	137 A. V. Lloyd
86 V. J. H. Belle-Isle	138 Arthur O'Toole
87 George H. Moy	139 Frederick H. Stearns
88 Mike Moulton	140 Elizabeth K. DeLorey
89 George H. Moy	141 Elizabeth K. DeLorey
90 Edward Costello	142 Arthur C. Tucker
91 Michael B. Hayes	143 Bernard Bram
92 Carl Carlson	144 Edward Dugan
93 Mrs. Charles Morley	145 Norman McMillan
94 James J. Campbell	146 Joseph Lenine
95 A. C. Flint	147 M. J. Gill
96 A. C. Flint	148 Fred A. Smith
97 Henry Bowman	149 Mrs. Mildred C. Brown
98 Oscar D. Messinger	150 Richard J. Connell
99 Oscar D. Messinger	151 C. L. Kibby
100 W. Harry Smith	152 D. DiGeorgia
101 Mrs. Frances E. Kohlrausch	153 Hjalmar Weckstrom
102 Percy Livingston	154 Tony Indello
103 James F. Fuller	155 Henry Schmelzer
104 John F. Fuller	156 E. H. Clark
105 Dorothy Hayes	157 J. H. Rule
106 J. B. Nicholson	158 John J. Ritchie
107 J. B. Nicholson	159 Mrs. George L. Fish
108 Charles W. Flanders, Jr.	160 Mrs. George L. Fish
109 Joseph Hamelin	161 James A. Ruth
110 Clark Burris	162 Mary A. Quinn
111 Harry J. Brown	163 Hattie Baker
112 George A. Chandler	164 Charles F. Stanwood

165	Claude Bartlett	182	G. A. Rodgers
166	V. O. Martin	183	John H. Downing
167	Henry W. Corliss	184	Alton Page
168	T. P. O'Sullivan	185	Charles H. Elwood
169	Mary A. Kearney	186	Mary Farmer
170	Rachael Mason	187	Martin Kennelly
171	Isaac Hopkinson	188	Francis J. Dolan
172	J. Zecchini	189	A. C. Woodward
173	G. E. Spaulding	190	John Boisvert
174	N. R. Jones	191	Angus Bigold
175	Edwin Thoresen	192	C. H. Bicknell
176	John E. Dewhurst	193	F. Sears Cook
177	Stanislaw Evaskievicz	194	Charles H. Williams
178	Frank Woztoywicz	195	A. Lakeman
179	Joseph Hamelin	196	Edward McDermott
180	John Stankiewicz	197	T. P. Rogers
181	Joseph Hamelin		

Attest:

ALBERT S. BULL,

Town Clerk.

REPORT OF FIRE ENGINEERS

To the Honorable Board of Selectmen:

Gentlemen:—We herewith submit our annual report for the year 1919. This our first full year of service under the new system of permanent men at the Central Fire Station shows a decided improvement in the fire losses over previous years.

Actual experience in response to alarms showed the necessity of at least two men must respond with the auto truck in order to handle the equipment upon arrival at the fire, and until the call men arrive, and in order to provide two men in the station at all times, making allowance for meal hours and days off, one more permanent man was appointed on May first of this year, the Chief staying in the station during days off and meal hours as before.

The Companies were reduced to seven call men each.

We again ask the Town to purchase additional motor apparatus for the North Billerica company, without such apparatus that company is not effective in connection with the truck at the Centre as they are unable to reach the fire in time to be of the most service.

The question of ladders is another serious problem, ladders of sufficient numbers and length cannot be carried on the combination truck to cover our halls, schools and large residences, and we are unable to secure horses for the ladder truck, to meet this situation we are asking for a light motor truck for the Central Station, same to be equipped with chemicals, etc., for use at brush and camp fires, and also to tow our present ladder truck to building fires until such time as the town can purchase a motor ladder truck.

In view of the recent improvements in the fire service we requested an inspection by the New England Fire Insurance Exchange with a view of a reduction in insurance rates, and the underwriters sent experts to inspect and test the Fire and Water Departments and their report follows with recommendations to future improvements.

E. N. BARTLETT, Chief.

W. B. CHAMBERS, Asst. Chief.

REPORT OF NEW ENGLAND INSURANCE EXCHANGE

Boston, October 10, 1919.

BILLERICA, MASS.

IN GENERAL

Population of Billerica is estimated to be about 4500. Town is situated about six miles west of Lowell. The town is practically level, there being no excessive grades. Main streets are of good width and many of roads through town are State roads, in fair to good condition. There are many camp colonies in town, ranging in size from 200 to 700 cottages. Structurally the town is frame, town hall, schools and Talbot Mills being the only brick structures. There is practically no principal mercantile district, B. & M. car shops at North Billerica, Consolidated Rendering Co., and Talbot Mills furnish employment for majority of inhabitants of town. There are practically no laws regulating construction, nor local laws regulating storage, sale and transportation of explosives and inflammable materials.

The gross fire loss for the years 1914-15-16-17-18, as given in the records of the Fire Department, was \$95,660, the annual loss varying from \$17,352 in 1916 to \$35,741 in 1918, and the number of fires with loss, from 10 in 1914 to 37 in 1918. The average loss per fire was \$996.50, a high figure, and the average yearly number of fires was 24. The average yearly number of fires per 1000 population was 6, and the average annual loss per capita was \$5.83, both high figures.

WATER DEPARTMENT

General

Works originally installed in 1898, are owned and operated by the town under supervision of a Board of Water Commissioners, three in number, one elected annually by the town. Present members: Warren Holden, Chairman, Frank L. Day, John F. Roome. Supt. George A. Stowers is elected annually by the Board of Water Commissioners and has held his present office for six years. He is apparently well qualified by experience and training for the position. He has no office assistants and maintenance force varies from 3 to 50 men. Records are only fairly complete; they include a plan of supply works, which is not up to date, a plan of distribution system and gate loca

tions, a duplicate copy of which is kept at Superintendent's office. No records of actual consumption are obtainable, other than pump displacement figures with no allowance for slip, and no records of gate or hydrant inspection, or records of hydrant classifications are on file. Superintendent has automobile for use. Alarms do not sound in quarters of water department, and no one is detailed to respond to alarms, although Superintendent usually does. If additional pressure is wanted at fires, pumping station is notified.

Supply Works.

The supply is obtained from two groups of $2\frac{1}{2}$ "-4" wells on either side of Boston Road, at the pumping station. There are approximately 80 of these wells, with a capacity of 30-60 gallons per minute. Wells are included within an area of 7 acres, and are connected by flange joint suction pipes to pump. Supply is ample and in excess of pump capacity.

Pumping station, located on Boston Road, is a one-story brick building with slate roof, unexposed and practically free from combustible interior fittings, equipped with electric lights. A jacket hose is provided.

Pumping Station Equipment

		Pumps			
Station	Make	Date	Type	How Oper.	Capacity
Boston Rd.	Barr	1898	Steam	Steam	1,000,000
	Barr	1898	Steam	Steam	1,000,000

Station	Make	Date	Boilers			Av.
			H. P.	Steam Max.	Press.	
Boston Rd.	Scannell & Wholey	1898	90	120		75
	Scannell & Wholey	1898	90	120		75

Distribution

Distribution is in one service, with a standpipe as an equalizer. The standpipe is steel, constructed in 1898, located about $1\frac{1}{2}$ miles from pumping station. It is 118 feet high, 25 feet in diameter, with top elevation 299, capacity 433,625 gallons.

A 10" main conveys water from pumping station along Boston Road to Bridge Street, thence to Pollard Street, where 10" joins 12", which continues to the standpipe, then reducing to 8" and 6". From Pollard and Bridge Streets another 10" main runs to Talbot Mills, then reducing to 8", with 6" secondary feeder along Billerica Avenue. A 12" main takes off Pollard Street and runs along High Street to B. & M. car shops. Balance 8" and 6", with poor gridiron system.

The average daily consumption, based on pump plunger displacement, with no allowance for slip, was 401,214 gallons per day for the year ending Dec. 31, 1918. Consumption figures were higher during January and February, averaging 555,775 during the former month and 672,700 during the latter.

All services are metered. The normal pressure at the pumping station is 126 pounds. Pressures on various points of the system vary from 58 to 122 pounds, with an average of 87 pounds for the entire system.

The original mains were laid in 1898 and much of the original installation is still in use, and sections of pipe recently replaced were in apparently good condition. Mains are laid with a cover of about 4'6". Maximum frost penetration 4 feet. No trouble has been experienced from frozen mains, but several service pipes have been put out of commission during the recent cold winters. No electrolysis has been reported in recent years.

Pipe is purchased on specifications corresponding to Class C, American Water Works Association, hammer tested at trench, and water is turned on before backfilling.

The total number of gates on the system is 132. All open to the right and are usually set on property lines, in cast iron extension boxes. The average length of main that would be cut out of service in case of break is 4267, with a maximum of 21,000 feet. Valves are said to be inspected twice yearly, but no record is kept.

The total number of hydrants on the distribution system is 196. All are of the Ludlow and Kennedy 6-inch post type, with two 2½-inch outlets. A few are on branch connections. All open to the left and are equipped with automatic drip valves. Hydrants drained properly and are said to be inspected twice yearly, although no records are on file. Average linear spacing 600 feet.

Fire Flow Tests

The flow from twelve hydrants in eight well distributed locations was measured by engineers May 9, 1919, to determine the probable amount of water available for fire protection purposes. Two hydrants were opened simultaneously in four locations and the free discharge measured by means of Pitot tubes. The pressure in the mains was observed before and during the period of flow at a hydrant near the centre of flow.

Fire Flow Tests

District	No. & Location Of Group	Pressure				
		Discharge		per sq. in.		Estimated
		G. P. M.	Hydrants	at	Total	
		Total	Closed	Open	20 lbs.	Required
P. M. D.	1 Boston & River	1280	58	46	2962	2250
Car Shop	2 High Street	1430	122	77	2154	2250
Mill & Res.	3 Wilson Road	1280	120	26	1342	2250
Mfg.	4 Billerica Ave.	420	115	25	430	2000
Res.	5 Chanstaff, Maple	980	62	43	1462	2000
Res.	6 Lexington Road	300	66	43	448	500
Camps	7 Bstn & Arcadia Rds.	670	100	3	540	1000
Farm	8 Wyman Road	500	58	21	506	750
Res.	9 Concord & Spring	450	81	20	450	750

FIRE DEPARTMENT

General

The fire department is organized on a call basis with two permanent, full paid men, under the supervision of a Board of Engineers, consisting of a chief and assistant chief, appointed annually by the Board of Selectmen. Present members are E. N. Bartlett, chief, and William B. Chambers, assistant chief.

The force consists of a call chief, assistant chief, two full paid men and fourteen call men. Chief E. N. Bartlett was appointed in 1911 and has been connected with the department since 1889. Appointments to permanent force are indefinite; call appointments are made annually.

The expense of maintaining the Fire Department in 1918, including fire alarm system, was \$7800, or approximately \$1.73 per capita, an average figure. This does not include an expense of \$4100 for hydrant rental.

Full paid men are allowed three hours daily for meals, one day off in five, and two weeks vacation with pay. On days off and meal periods, chief substitutes, and substitutes are provided for vacations. Men are required to respond to alarms during meal periods.

Houses and Apparatus

Apparatus includes one automobile combined pump, chemical and hose wagon, two horse drawn ladder trucks and a horse drawn hose wagon, in service in two stations and manned by combined companies.

Central fire station is located on Boston Road. It is a one-story brick building, plastic slate roof, concrete floor, steel floor beams protected with concrete, steam heating plant cut off in basement with outside entrance. Sleeping quarters are provided for permanent men off apparatus floor.

Apparatus includes American La France Junior automobile combined pump, chemical and hose wagon, equipped with one 40-gallon chemical tank, 1000 feet 2½" single jacket C. R. L. hose, 250 feet chemical hose, 60 feet short ladders; a horse drawn ladder truck with 124 feet of ladders, and chief's automobile.

Minor equipment on combination includes axes, pony chemicals, bars, shovels, buckets, hose straps, hydrant gates and wrenches playpipes, plaster hooks, lanterns, double male and double female connections and a siamese connection. Ladder truck is equipped with ladders, axes, bars, lanterns, plaster hooks and wall hooks and chains.

House at North Billerica is two and one-half story frame with shingle roof. Hall on second floor used for polling place. Frame hose tower. Steam heating plant in basement.

Apparatus includes one horse drawn ladder truck with 111 feet of ladders, one horse drawn hose wagon, carrying 800 feet of 2½" single jacket C. R. L. hose, pony chemicals, hose strap, playpipes, hydrant wrenches and gates, lanterns, and a double male and double female connection. A Silsby horse drawn steamer is also held in reserve at this station.

The pump and steamer were tested at the recent inspection. Pump delivered 314 gallons against a net water pressure of 124 pounds and was found to be in apparent good condition. The steamer delivered 408 gallons against a net water pressure of 100 pounds. Steam averaged 72 pounds. Operation of both crews efficient.

Hose

There are 3000 feet of hose in the department, all single jacket, in apparently good condition. Age varies from one to five years.

Operation

Automobile combined pump, hose and chemical responds to all alarms. On alarms from Billerica, auto combination responds and apparatus at North Billerica remains at station to cover in. On alarms from North Billerica auto combination responds with two permanent men, reliance being placed upon force which responds with hose wagon and ladder truck at North Billerica. Ladder truck at Billerica and Silsby steamer at North Billerica are held in reserve. On telephone alarms automobile combination and chief's auto respond. If more help is needed box nearest fire is sounded. Three blows on whistle notifies North Billerica that auto combination is out.

Men are said to be drilled frequently during summer months although no training facilities are provided.

Building inspections are not made frequently.

FIRE ALARM SYSTEM

General

The fire alarm system, which was installed in 1915, is a part of the fire department, under the supervision of Chief E. N. Bartlett. He has no regular assistants but extra help is employed when necessary, and the permanent firemen are instructed in the operation of the system.

Headquarters

The fire alarm headquarters are located on the first floor of the central fire station, a one-story practically fireproof building. The headquarters equipment includes one Gamewell single circuit slate gravity switchboard, break wheel transmitter, and an 8" gong. There are 53 gravity cells, mounted on porcelain bases on wood racks, metal terminals not fused. Batteries are charged six at a time, all are in use, no duplicate set is provided, and there are but three spare jars. There is a tower striker at a church on Boston Road, a tower striker at Talbot Mills, North Billerica, 6" tapper at call driver's house at North Billerica, 6" tapper at chief's house, Boston Road, one Gamewell non-interfering box and a Gamewell whistle machine at B. & M. car shops, High Street.

Circuits

There is a single circuit, normally closed, connecting all instruments. Total length $9\frac{1}{2}$ miles No. 10 triple braided iron wire installed Dec. 1, 1915, all overhead. Box lead No. 14 copper wire in $\frac{3}{4}$ " iron pipe. Circuit is carried mostly on top of poles with telephone and electric light wires, but is underground in wood conduit with telephone wires from pole in front of headquarters to board.

Boxes

But one box is in service, located at B. & M. car shops at North Billerica, a Gamewell non-interfering type, key under guard. In addition, approximately 60 phantom box locations have been arranged.

Conclusions

The fire alarm system is properly a part of the fire department, and in so far as it extends is well maintained. The administration of maintenance duties by the chief, who is appointed annually, is an undesirable feature. The headquarters equipment is incomplete. Circuit construction is mainly satisfactory and the chief as superintendent is usually quickly available. An unsatisfactory feature is that but one box is in service, the remainder of the system being covered by phantom boxes.

RECOMMENDATIONS

WATER DEPARTMENT

Organization

- 1 That the appointment of superintendent be for an indefinite term, subject to removal only for cause.

Records

- 2
 - (a) That complete records and plans be made, kept up to date, indexed and placed on file.
 - (b) That complete records be kept of inspection and operation of gate valves and inspection of hydrants.
 - (c) That a measuring device be installed on the supply mains and complete records be kept of consumption.

Emergency Operations

- 3 That provisions be made whereby alarms will sound in the superintendent's residence and an employee be detailed to respond to all second alarms.

Mains

- 4 That the distribution system be strengthened by the installation of the mains given in the table below.

Recommended Mains

Size Along	From	To
8" High Street	Car barn	Present 8"
8" Boston Road	Pumping Station	Present 6"
6" Maple Avenue	River Street	Charnstaff
6" Allen Road	Webb Road	Present 6"
6" Allen Road		Arcadia Road

Note. The Exchange believes that it is essentially the business of each municipality to lay out its system of distributing mains as it is best able to judge of present and future consumption in each district and other local conditions involving paving, topography, pressure, size and type of hydrants, etc.; but practical experience has shown that the above quantities are required for good fire protection in the districts such as are found in this town and that a gridiron system of mains of the sizes recommended above is satisfactory only when cross connected at all intersections, free from dead ends and with large secondary feeders at frequent intervals.

Gate Valves

- 5 (a) That all gates be inspected at least once a year and all gate valve box covers be kept at street grade.
- (b) That the distribution system be equipped with additional gate valves, where necessary, so located that no single case of accident, breakage or repair to the pipe system will necessitate the shutting from service a length greater than 800 feet.

Hydrants

- 6 (a) That additional hydrants be installed so that the distance between hydrants shall in no case exceed 350 feet.
- (b) That all hydrants installed in the future have two 2½-inch and one 4½-inch outlets; street connections and hydrant barrels to be not less than 6 inches in diameter and branch to main to be equipped with gate valve.
- (c) That all hydrants be inspected at least twice a year, necessary repairs made and proper records kept of such inspections.

FIRE DEPARTMENT

Organization

- 7 (a) That appointments be made only after applicants have passed suitable mental and physical examinations, appointments to be for indefinite terms, subject to removal only for cause. Substitutes to be provided on vacations and periods of disability.

(b) That the chief engineer be appointed for an indefinite period, removable only for cause, and be held solely responsible for the supervision and maintenance of the fire department.

(c) That at least three additional full paid men be appointed and assigned to station so as to provide total company membership as follows.

	Full Paid	Call
At Headquarters		
Engine Company	2	7
Ladder Company	1	8
At North Billerica		
Engine Company	2	8
Ladder Company		7

Houses

8 (a) That the house at North Billerica be remodeled so as to adequately house permanent men and motor apparatus.

(b) That an approved underground gasoline tank with suitable pump and connection for filling purposes be installed at each station.

(c) That a hose tower or well inclined full length rack be provided at each station for drying hose.

Apparatus

9 (a) That an automobile combined pump, hose and chemical be installed at the Central Station; pump to have a capacity of at least 500 G. P. M. and chemical tank to have 40 gallons capacity. Present pumping engine to be then located at North Billerica.

(b) That an automobile combination service truck be installed at the central fire station, to be equipped with a basket carrying 500 feet of 2½" C. R. L. hose, and a 40-gallon chemical tank.

Note. Hose bodies to be divided, with a capacity of 1000 feet. Pumps to be capable of delivering the capacity recommended at a net pump pressure of 120 pounds, one-half capacity at 200 pounds net, and at least one-third of the capacity at 250 pounds net pressure. Motors to be capable of covering 20 miles within one hour without undue heating and a maximum speed of 35 miles per hour during some part of this test..

Hose

10 (a) That all hose purchased in the future be double jacket C. R. L., and the specifications of the National Board of Fire Underwriters be adopted or used as a guide in framing specifications for new hose.

(b) That all hose be tested twice a year at pressure of 200 pounds and defective sections discarded; if not used, hose to be shifted on apparatus monthly.

(c) That 1000 feet of hose, loaded on wagon, be kept in reserve.

Minor Equipment

- 11 That the following equipment be furnished where not already provided:
- (a) To each hose wagon or pumper: Rope, siamese connection, axes, door opener, crowbar, plaster hook, burst hose jacket, wire cutters, nozzle holder, distributing nozzle, 24-foot extension ladder, 12-foot roof ladder, one 2½-gallon soda and acid extinguisher, one 2½-gallon foam type extinguisher, and two waterproof covers.
 - (b) To ladder truck: Deluge set, cellar pipe, two smoke masks, surgical kit, four brooms, four shovels, four forks, two bars, two plaster hooks, wire cutters, rubber gloves, saw, auger, rope, one 2½-gallon soda and acid extinguisher, one 2½-gallon foam type extinguisher, and four waterproof covers.

Operation

- 12 (a) That suitable drilling facilities be provided and all members, including call men, be drilled in the use of all appliances, quick handling of hose, salvage work and life saving.
- (b) That the response to all first, including telephone alarms, be one engine and one ladder company.
- (c) That engines and pumpers be tested at least annually and after extensive repairs, following methods published by the National Board of Fire Underwriters. Pumps or steamers showing more than 7% slip should be repaired and any engine or motor pumper developing less than 90% of its reasonable rated capacity should be overhauled or crews drilled, or both.
- (d) That candidates for appointment as chauffeurs be given thorough training in their duties and be required to demonstrate their ability in caring for and operating apparatus, and that only those fully competent be appointed or retained.
- (e) That members make systematic monthly inspections for the accumulation of rubbish and inflammable materials inside and in the rear of buildings other than dwellings, and the chief be given power to cause arrests for violation of building or explosive and inflammable laws, detailed reports of such inspections to be properly filed.
- (f) That complete fire department regulations be adopted, covering discipline, house rules and other fire department matters, and that they be regularly enforced.

FIRE ALARM SYSTEM

Organization

- 13 That the fire alarm system be continued as a part of the fire department, under the supervision of a superintendent of fire alarm, appointed for an indefinite term under proper qualifications.

Headquarters

- 14 That the fire alarm headquarters be maintained in the present location, all apparatus to be placed on incombustible mountings, and no unnecessary combustible material to be permitted in the fire alarm room.

Apparatus

- 15 That the system include:

At Headquarters:

- (a) Slate terminal board with necessary protection to circuits.
- (b) At least a 4-circuit charging and protector board, equipped with the necessary provisions for properly operating the system.
- (c) Battery cells to be mounted on glass and porcelain supports, secured to metallic frames, suitably protected against corrosion, battery terminals to be properly fused. A suitable number of spare jars to be provided.
- (d) A punch register and time stamp for the recording of all alarms.
- (e) A four circuit non-interfering automatic repeater.

At Fire Stations and Pumping Station:

- (f) A gong, punch register and tapper on a box circuit.

Circuits

- 16 That conditions be improved by:
- (a) Replacing all barewire with either copper or galvanized iron wire, having triple braid weatherproof insulation.
 - (b) Avoiding poles carrying high tension, lines, but where located on these poles fire alarm wires to be run under rather than over high tension circuits.

Boxes

- 17 (a) That boxes installed in the future be of the positive non-interfering type, with silver key break contacts with internal mechanism protected against abnormal current, and with outer cases adequately grounded, with glass panel doors, keyless self-acting doors, or with keys under guard.
- (b) That boxes be installed so that a box shall be within 800 feet of every valuable group of buildings. In the outlying districts, this distance should not exceed 1200 feet.

Operation

- 18 That records include card index records of details of apparatus and equipment, details of circuits, record of inspections, tests and trouble, on approved forms.

STRUCTURAL CONDITIONS AND HAZARDS**Building Department**

- 19 (a) That a building code be adopted by ordinance, conforming to modern requirements for construction and fire prevention as given in the National Board of Fire Underwriters Building Code, particularly as to improved types of construction, limitation of heights and areas, protection to openings in walls, floors and roofs, wall thicknesses, and requirements for private fire protection.
- (b) That wooden shingles be prohibited throughout the town on all new or repaired roofs.
- (c) That owners of existing defectively constructed buildings, which are so located as to form conflagration areas, be required to suitably protect roof and party walls and exposed openings.
- (d) That automatic sprinkler equipments, provided with outside steamer connections and post indicator gate valves, be required in all buildings which, by reason of their size, construction or occupancy, singly or combined, might act as conflagration breeders.

Electricity

- 20 (a) That the superintendent of fire alarm be designated by ordinance as inspector of wires, to have control of all outside as well as inside wiring, and that he make a complete re-inspection of all old wiring immediately.
- (b) That by ordinance, all electrical work be required to be in accordance with the National Electrical Code; an application to be submitted to the inspector before any new wiring may be installed or any old wiring altered or extended and a certificate of approval secured from him before current may be supplied to any new or altered installations, or installations that may be condemned by the inspector because of defects.

Explosives and Inflammables

- 21 That inspections of buildings and premises be made at more frequent intervals to secure more efficient cooperation with the requirements of the Metropolitan Fire Prevention Commissioner.

Respectfully submitted,

JOHN S. CALDWELL, Engineer.

Total alarms for the year 1919, 75. Divided as follows: Bell alarms, 58; still alarms, 17.
 Alarms for building fires, 22.
 Alarms for automobiles, 4.
 Alarms for brush or grass, 39.
 Alarms for lost persons, 2.

Alarms for inspection, 1.
 Alarms for false, 3.
 Alarms for out of town, 4.
 Laid 3300 feet of hose for fire duty.
 Raised 390 feet of ladders.
 Used 155 extinguishers.
 Used 7 chemical tanks.
 Men worked 75 $\frac{3}{4}$ hours.
 Auto truck pumped 3 hours.
 Traveled 335.9 miles.

Total value of property at risk, upon which there	
was a loss	\$55,125.00
Total damage to same	8,929.87

LIST OF FIRES

Jan. 29. Box 19, 5.30 a. m. House owned by Billerica Garden Suburb. Inc. Occupied by Piere Moran. Cause, spark from chimney. Damage, \$45.00. Engines 1 and 2 responded.

Jan. 29. Still alarm, 3.50 p. m. House owned by the Jaquith estate. Cause, children playing with matches. Damage, \$60.00. Chief's auto responded.

Feb. 4. Box 42, 2.40 p. m. Grass fire. Engine 2 responded.

Feb. 9. Box 215, 1.20 p. m. Grass fire. Engine 2 responded.

Feb. 12. Box 42, 2.59 p. m. False alarm. Engine No. 2 responded.

Feb. 12. Box 27, 3.20 p. m. Grass fire. Engines No. 1 and No. 2 responded.

Feb. 12. Box 23, 9.56 p. m. Automobile, owned by Dr. Alley. No damage. Engine No. 2 responded.

Feb. 18. Box 215, 4.30 p. m. Camp, owned by David A. Nelson. Cause, overheated stove. Damage, \$300.00. Engine No. 2 responded.

March 10. Box 41, 6.03 p. m. Grass fire. Engine No. 2 responded.

March 12. Box 612, 11.40 p. m. Brush fire. Engine No. 2 responded.

March 14. Box 613, 4.20 a. m. Brush fire. Engine No. 2 responded.

March 14. Box 45, 11.12 a. m. Grass fire. Engine No. 2 responded.

March 21. Box 45, 12.05 p. m. Grass fire. Engine No. 2 responded.

March 22. Still alarm, 12.30 a. m. Automobile, owned by George Hus- sen, Lowell. Damage, \$600.00. Engine No. 2 responded.

March 24. Still alarm, 12.03 a. m. Automobile, owned by M. F. Riley, Newport, R. I. This fire was in Burlington. Engine No. 2 re- sponded.

March 25. Box 25, 10.35 a. m. Grass fire. Engine No. 2 responded.

March 26. Still alarm, 10.20 a. m. Grass fire. Engine No. 2 responded.

March 26. Box 117, 3.30 p. m. Brush fire. Engines No. 1 and No. 2 responded.

March 26. Box 125, 6.05 p. m. False alarm. Engines No. 1 and No. 2 responded.

March 27. Box 62, 10.15 a. m. Grass fire. Engine No. 2 responded.

March 30. Still alarm, 11 a. m. Automobile, owned by Collins and Wright, Lowell, this fire was in the Town of Tewksbury. Chief's auto responded.

- March 31. Still alarm, 8.10 p. m. Massachusetts State Farm buildings Town of Tewksbury. Engine No. 2 laid 1000 feet hose and pumped $1\frac{1}{2}$ hours.
- April 9. Box 24, 5.30 p. m. Grass fire. Engine No. 2 responded.
- April 15. Box 117, 12.50 p. m. Grass fire. Engines No. 1 and No. 2 responded.
- April 19. Box 62, 4.20 p. m. Grass fire. Engine No. 2 responded.
- April 20. Box 45, 2.05 p. m. Brush fire. Engine No. 2 responded.
- April 21. Box 12, 7.15 a. m. House owned by Talbot Mills, Elm St. Caused by an oil stove. Damage, \$569.87. Engines No. 1 and No. 2 responded.
- April 21. Box 47, 12.30 p. m. Brush fire. Engine No. 2 responded.
- April 21. Box 42, 3.50 p. m. Brush fire. Engine No. 2 responded.
- April 27. Box 119, 9.25 a. m. House, owned by Talbot Mills on Rogers St. Cause, spark from chimney. Damage, \$5.00. Engines No. 1 and No. 2 responded.
- April 28. Box 25, 4.30 p. m. Town Dumpfire. Engine No. 2 responded.
- April 29. Box 117, 5.10 p. m. Brush fire. Engines No. 1 and No. 2 responded.
- April 30. Box 119, 1.15 p. m. Brush fire. Engines No. 1 and No. 2 responded.
- May 3. Box 124, 4.15 p. m. Grass fire. Engines No. 1 and No. 2 responded.
- May 9. Box 41, 7.30 p. m. Chimney fire. House, owned by E. F. Judkins. No damage. Engine No. 2 responded.
- May 12. Still alarm, 5 p. m. House, occupied by B. J. Hutchins. Cause, chimney fire. Damage, slight. Engine No. 2 responded.
- May 14. Still alarm, 8.30 a. m. Store, occupied by Watts & Co. Cause, smokey chimney. No damage. Engine No. 2 responded.
- May 15. Box 62, 10.55 a. m., second alarm, 11.05 a. m. House, owned by Sarah E. Beard. Cause, children playing with matches. Total loss. Engines No. 1 and No. 2 responded.
- May 18. Box 126, 2.50 p. m. Brush fire. Engine No. 2 responded.
- May 22. Still alarm, 2 a. m. House owned by D. A. Readon, Town of Chelmsford. Engine No. 2 responded.
- May 23. Box 54, 6.10 p. m. Brush fire. Engines No. 1 and No. 2 responded.
- May 24. Box 215, 11.58 a. m. Brush fire. Engine No. 2 responded.
- May 29. Box 215, 12.30 p. m. Grass fire. Engine No. 2 responded.
- May 30. Box 613, 4 p. m. Brush fire (over line in Wilmington). Engine No. 2 responded.
- May 30. Box 65, 6 p. m. House, owned by Sarah C. Sweatte. Cause, careless smoking. Damage, \$50.00. Engine No. 2 responded.
- May 31. Box 62, 1.10 p. m. Brush fire. Engine No. 2 responded.
- May 31. Box 218, 3.15 p. m. Brush fire. Engine No. 2 responded.
- May 31. Box 5, 8.20 p. m. Engine No. 2 called to search for a lost child.
- June 12. Box 215, 12.40 p. m. Grass fire. Engine No. 2 responded.
- June 12. Still alarm, 9.15 p. m. Brush fire. Engine No. 2 responded.
- June 24. Box 218, 3.05 p. m. Brush fire. Engine No. 2 responded.
- June 26. Box 62, 5.25 p. m. Brush fire. Engine No. 2 responded.

- June 27. Box 5, 8.30 a. m. Engine No. 2 called to search for a lost man.
- June 30. Box 613, 12 m. Brush fire. Engine No. 2 responded.
- July 1. Still alarm, 1 p. m. Chimney fire, house owned by the Hall estate. No damage. Engine No. 2 responded.
- July 3. Box 117, 11.40 a. m. Chimney fire. Engines No. 1 and No. 2 responded.
- July 6. Box 131, 8.45 p. m. Store house owned by Talbot Mills. Damage \$3.00. Engines No. 1 and No. 2 responded.
- July 8. Box 124, 12.45 p. m. Grass fire. Engines No. 1 and No. 2 responded.
- July 9. Box 232, 9.30 a. m. Camp, owned by Suburban Land Co. Cause unknown, total loss. Engine No. 2 responded.
- July 13. Box 65, 4.30 p. m. Brush fire. Engine No. 2 responded.
- July 15. Box 65, 10.25 a. m. Brush fire. Engine No. 2 responded.
- Aug. 10. Still alarm, 2.09 a. m. False alarm. Engine No. 2 responded.
- Aug. 10. Still alarm, 8.20 a. m. Chimney fire, house owned by E. F. Dickenson. No damage. Engine No. 2 responded.
- Aug. 10. Still alarm, 10.40 a. m. Grass fire. Engine No. 2 responded.
- Aug. 13. Still alarm, 9.35 a. m. Underwriters test. Engine No. 2 and Steamer.
- Sept. 26. Box 218, 8.25 a. m. House, owned by Matilda Sennott. Cause, oil stove explosion. Damage, \$200.00. Engine No. 2 responded.
- Oct. 29. Still alarm, 10.25 a. m. Grass fire. Engine No. 2 responded.
- Nov. 5. Box 21, 5.23 p. m. Auto Truck. No damage. Engine No. 2 responded.
- Nov. 16. Still alarm, 3.25 a. m. Chimney fire. House owned by Chester Wright. No damage. Engine No. 2 responded.
- Nov. 30. Box 129, 12.06 p. m. House owned by C. Watson. Chimney fire. No damage. Engines No. 1 and No. 2 responded.
- Nov. 30. Still alarm. House owned by L. Davison. Cause, defective fireplace. Damage, \$25.00. Chief's auto responded.
- Dec. 5. Box 218, 3.17 p. m. House owned by Mary J. Danine. Cause, overheated stove. Loss, \$1400.00. Engine No. 2 responded.
- Dec. 8. Box 215, 6.50 a. m. Chimney fire. House owned by F. Pasho. No damage. Engine No. 2 responded.
- Dec. 15. Box 21, 6.25 p. m. House owned by Mary E. Reardon. Cause, overheated chimney. Damage estimated at \$1800.00. Engine No. 2 responded.

REPORT OF OVERSEERS OF THE POOR

To the Honorable Board of Selectmen and Citizens:

Gentlemen:—In compliance with your wishes the Overseers herewith respectfully submit their report for the fiscal year closing December 31, 1919.

The Home Farm during the past term has cared for five inmates, one of which was transferred to the care of relatives, four now remain. The extreme cost of living and expense to supply material for farm consumption has, from a financial standpoint, greatly increased. Yet when we realize that our inmates are enjoying home life, health comfort and happiness, for them alone we may comfort our thoughts or sensure circumstances which we have absolutely no control. We found it necessary to put a hard wood flooring in the west side dining room which completes all floors in the main building. It will also be well next spring to shingle the main building as the roof now leaks. While we hesitate to make further expense at this time it is important that the work be done, the cost of which cared for in next appropriation. Bills approved for twelve months, \$5494.86; receipts available from farm production, \$4,176.05; leaves net expenditure \$1,318.81.

Appraisal Personal Property at Home Farm Dec. 6, 1919

15 cows, 2 bulls, 3 heifers, 3 calves	\$2,400.00
One pair bay horses	500.00
Ensilage, 75 tons	600.00
Hay, 20 tons	600.00
Grain	123.75
Molasses	20.00
Manure	320.00
Harness, \$80.00; blankets, \$10.00	90.00
Fowl, 40	64.00
Pork	137.50
Wood	78.00
Coal	39.00
Farm implements and tools	400.00
Wagons, carts, sleds and pung	200.00
Vinegar casks and small goods	50.00
Vegetables and fruit	187.00
Preserves and groceries	65.00
House furnishings	500.00
Union safe	50.00
Gifts, Stella cabinet, hospital furniture, book case and contents	
Appraisal Dec. 6, 1919	\$6,424.25
Appraisal Dec. 7, 1918	5,225.40
Net increase of property value	\$1,198.85

Outside Partial Relief

We have experienced to our satisfaction less demand for this class of relief than for many previous years as to town cases. While on the outdoor class we find some increase.

Local partial relief, etc.	\$534.00
Outdoor cities (reimbursed)	363.79
State (reimbursed)	30.03
<hr/>	
Total partial relief	\$927.82

Mothers' Relief, Chapter 763, Acts of 1913

There has been, during the past year, two mothers and eight children, an increase to our list of dependents. We are at present caring for six families, number of children in each ranging from two to seven with mother. During the month of January, 1919, the net cost of four families was \$112.00. The month of December, 1919, was \$216.00 for six families. While this class of aid in one year has more than doubled in cost, we feel that the end is not yet in sight.

The following letter from the Commissioners of Public Welfare is self explanatory:—

Boston, November 28, 1919.

To the Overseers of the Poor, Billerica, Mass.

Gentlemen:—The State Board of Charity desires to call your attention to the need of greater liberality in the amount of aid given to many families under the Mothers' Aid Law, and urges you, in your estimates for the coming year, to request sufficient increases to make the aid which you are giving, fully adequate to meet the needs of your Mothers' Aid families. This law is not intended to provide doles or partial relief. Aid given under this law should be fully adequate to meet the needs of the family, in accordance with the constructive plan which you, in conjunction with this Board, work out for its maintenance. Exceeding care should be exercised in approving families for Mothers' Aid, but when approved the amount of aid should be governed by the need. The excessive cost of living is now rendering aid inadequate that a short time ago might have been considered sufficient.

In making this recommendation to all Overseers of the Commonwealth, the Board desires to express its great satisfaction with progress already made and to thank you for your friendly and constructive co-operation in the enforcement of the Mothers' Law.

Respectfully,

STATE BOARD OF CHARITY.

Robert W. Kelso, Executive Director.

The distribution of expenditures, Mothers' Aid, for 1919:—

Billerica	\$609.48
State (town reimbursed)	1,596.08
Lowell (town reimbursed)	404.67

Total expenditures	\$2,610.23
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In conclusion the Overseers heartily recommend an amount equivalent to all needs of Mothers' Aid in order to carry out the constructive policy now being practiced under that law.

RICHARD J. CONWAY

COLBURN S. SMITH

WARREN HOLDEN

Overseers of the Poor.

POLICE REPORT

To the Honorable Board of Selectmen, Billerica, Mass.:

Gentlemen:—We herewith submit our annual report for the year ending December 31, 1919.

There have been sixty-seven arrests for the following causes:

Assault and battery	2
Breaking, entering, larceny	9
Drunkenness	19
Insane	2
Larceny	16
For out of town officers	3
Manslaughter	1
Non-Support	3
Persons detained	12

Disposal of Cases

Committed to Marlboro Hospital	1
Committed to Danvers	1
Committed to Lowell Jail	2
Committed to State Hospital	3
Committed to House of Correction	2
Fined	17
Delivered to our town officers	8
Held for Grand Jury	1
Probation on payment of costs	4
Suspended sentence	7
Filed, released, probation	19
Placed on file on payment of costs	2

Miscellaneous

Inquest	3
Horses killed	1
Cases investigated without arrest	764
Dogs killed	24
Stolen autos recovered for out of town officers	9
Value of property stolen	\$3,271.25
Value of property recovered	\$1,843.00

Respectfully submitted,

HENRY D. LIVINGSTON

WM. H. O'BRIEN

Police Officers.

REPORT OF THE HIGHWAY SURVEYOR

January 1, 1920.

To the Board of Selectmen and Citizens of Billerica:

I herewith respectfully submit my report for the year 1919.

During the year the following roads were gravelled: River street, 300 feet long, 14 feet wide, 4 inches deep; Lexington road, 5,180 feet long, 14 feet wide, 6 inches deep; Manning Road, 1,200 feet long, 12 feet wide, 8 inches deep; Baldwin street, 3,647 feet long, 12 feet wide, 6 inches deep; Treble Cove road, 5,650 feet long, 12 feet wide, 6 inches deep; Salem road, 100 feet long, 12 feet wide, 6 inches deep; High street, 1,080 feet long, 18 feet wide, 6 inches deep; Chelmsford road, 210 feet long, 12 feet wide, 8 inches deep; River street, 704 feet long, 18 feet wide, 8 inches deep; Allen road was gravelled and repaired; Bridle road and Bridge street were also gravelled and repaired; Main street, Hill graded shoulders and filled with gravel. Roads in different parts of the town were scraped and raked.

Roads Resurfaced

Dolan's hill, from Dolan's to French street, was resurfaced with cinders; Pollard street, from Brown's corner to Fordway was resurfaced three times, and from Red Bridge to Brown's corner resurfaced, tarred and sanded four times.

The following roads were repaired with burned rock and cinders: Sprague street, 100 feet long, 12 feet wide, 8 inches deep; Chestnut street, 400 feet long, 12 feet wide, 8 inches deep; Main street, 300 feet long, 18 feet wide, 4 inches deep; High street, 700 feet long, 18 feet wide, 8 inches deep; Rogers street, 400 feet long, 18 feet wide, 6 inches deep; Mt. Pleasant street, 500 feet long, 18 feet wide, 6 inches deep; Billerica avenue, 3,090 feet long, 18 feet wide, 8 inches deep; High street, 1,108 feet long, 15 feet wide, 6 inches deep.

Roads Macadamized

The road at Perry's corner was macadamized 500 feet, and the curve widened.

Bridges

One-half of Red Bridge was rebuilt, and other bridges in town were repaired.

Sidewalks

Sidewalk on Woburn Road was repaired 300 feet long, 6 feet wide and 4 inches deep. Stearns Brook was widened and deepened from Farmer's Lane to Main street at Brown's Corner.

Railings were put up and painted along the road side in several different parts of the town. The heavy rains in the spring and fall together with the extremely heavy auto truck traffic, which passes through our Town, caused much damage to the roads.

Respectfully submitted,

E. F. TWOMBLY,
Highway Surveyor.

21st ANNUAL REPORT

OF THE

WATER COMMISSIONERS

STOCK ON HAND JAN. 1, 1920.

Maintenance

20 tons of coal	\$ 200.00
51 gallons cylinder oil	34.43

Construction

1 10 x 8 in. Smith sleeve	\$ 59.50
10 service gate boxes	15.00
3 6 in. Ludlow gates	15.00
2 8 in. Ludlow gates	7.00
35 lbs. lead wool	11.20
100 lbs. lead	8.00
1 bale jute	5.00
Fittings	10.00
6 3-4 in. lead corp. complete	18.00
3 stop and waste (1 in. x 1 1-2 in.)	9.00
Repair parts for hydrants	15.00
100 ft. 6 in. pipe	
408 ft. 8 in. pipe	
72 ft. 10 in. pipe	
288 ft. 12 in. pipe	1,000.00
1 6 in. cross	4.50
5 gate boxes	25.00
2 6 in. sleeves	5.00
1 12 in. x 8 in. Ys	15.00
1 12 in. x 10 in. Ys	16.00
14 8 x 6 in. Ys	126.00
7 12 x 6 in. T	105.00
1 4 in. $\frac{1}{8}$ Bend	2.50
6 6 in. $\frac{1}{8}$ Bend	14.50
4 8 in. $\frac{1}{8}$ Bend	11.00
1 12 in. Sleeve	3.75
4 8 in. Plugs	2.00
3 10 in. Plugs	2.10
1 in. Smith Sleeve, complete	25.00
2 8 in. Ludlow Gates	30.00
2 6 in. Kennedy Gates	18.00
1 Kennedy Hydrant	30.00
41 ft. 2 in. cement lined pipe	16.40
4 in. sidewalk shutoffs	15.00
<hr style="width: 100%;"/>	
4 meters	\$1,873.40
	50.60

\$1,924.00

FINANCIAL STATISTICS

Receipts

A Flat Rates	\$ 50.00
B Meter Rates	8,910.03
<hr/>	
C Total from consumers	\$8,960.03
D Public Buildings	177.61
E Guarantees	191.19
H Sundries	222.03
I Service Piping ..	582.65
J Meters	101.20
K Meter Repairs ..	48.83
<hr/>	
L Total from consumers	1,145.90
<hr/>	
	\$10,283.54

Expenses

CC Total Main-tenance	\$13,897.05
DD Interest	6,685.00
HH Extension of Mains	2,429.02
II Extension of Meters	300.58
LL Additional Wells	1,052.95
MM Extension of Services ..	777.30
<hr/>	
	\$25,141.90
Appropriation for 1919	12,000.00
Hydrants	4,125.00
<hr/>	
	\$16,125.00
Maintenance Expenses	\$13,897.05
Service Piping	777.30
Meters	300.58
<hr/>	
	\$14,974.93
<hr/>	
Balance	\$ 1,150.07
Additions and extension balance	4,461.88
Expenses	2,429.02
<hr/>	
Balance	\$ 2,032.86
Wells:	
Balance 1918	\$ 446.98
Appropriation ..	1,000.00
Expenses	1,052.95
<hr/>	
Balance	\$ 394.03

PUMPING STATION RECORD

MONTHS	Days Pump in Operation	Time Pump ¹ in Operation		Average Per Day	Gallons Pumped	Average Per Day	Daily Consumption	Pounds of Coal Used		
		H.	M.					For Pumping	For Fire Protection	Total
January	31	279	0	H. M. 9 0	8,913,260	287,524	287,524	54,915	9,565	64,480
February	28	251	0	8 58	7,815,188	279,114	279,114	44,035	8,230	52,265
March	31	279	0	9 0	8,837,654	285,086	285,086	49,275	9,185	58,460
April	30	270	0	9 0	9,254,068	308,467	308,467	50,885	8,740	59,625
May	31	285	0	9 12	9,544,378	307,883	307,883	54,990	9,140	64,130
June	30	341	0	11 0	13,532,444	436,530	436,530	75,225	9,018	84,243
July	31	371	0	11 55	14,892,813	480,413	480,413	79,500	8,928	88,428
August	31	333	0	10 45	12,981,599	418,761	418,761	74,470	9,193	83,663
September	30	316	0	10 32	11,967,531	398,918	398,918	67,200	8,795	75,995
October	31	333	0	10 45	13,152,203	424,265	424,265	70,800	8,053	78,853
November	30	302	0	10 04	11,426,965	380,899	380,899	67,000	8,913	75,913
December	31	315	0	10 10	11,780,744	380,744	380,024	69,900	9,465	79,365
Total	365	3668		130 21	134,098,847	4,187,884	4,187,884	758,195	107,225	865,420
Monthly averages	30.4	305	40	10 52	11,173,237	348,990	348,990	63,183	8,935	72,118

DESCRIPTION	Cost	Water Receipts 1919	% Cost
Construction as per 1909	\$92,837.36	\$ 7,141.50	
High Street 1909	1,073.44	63.37	5.91
High Street 1913-14 B. & M.	5,845.10	965.99	16.54
Pond Street 1909	4,101.83	18.00	1.28
Andover Street 1909	273.06	15.32	5.61
Call Street 1910	331.00	12.00	3.6
Blanchard Avenue	501.00	30.89	6.15
Chelmsford 1912	2,663.53	123.01	4.61
Boston Road 1913	12,556.69	136.21	1.08+
Bedford Road 1913	12,990.45	184.82	1.42+
Spring Street 1913	660.52	6.55	.91
Wyman Road 1913	2,849.54	71.25	2.79
Allen Road 1913	596.72	12.00	2.18
Webb Brook Road 1915	437.50	85.24	3.31
Twombly Road 1913	763.24	131.27	17.19+
Arcadia Hillside & Allen	3,134.70	92.02	2.93+
Hawes	223.05	12.00	8.07
Billerica Garden Suburbs	2,059.55	93.63	45.5+
Burnam Road	424.56	26.19	6.40+
High Street—Coldwell	341.51	12.00	3.51
Colson Heights	192.85	1.33	8.83
McElligott	392.11	32.48	8.28
Bridge—Bartlett and Kemp	586.64		
Chadwick Street	764.37	81.19	11.91
Corthell Road No. 1	869.83		
Wallace Road	53.30	35.99	67.52
Corthell Road No. 2	437.27	33.11	7.57
Lowell Road	405.06	12.00	2.96
Billerica Avenue	2,429.86	68.22	2.39+
Richardson and Whiting Streets	1,253.07	72.00	5.74
Railroad Street	194.15	32.38	16.67
Holt Street	575.44	107.10	18.61
Webb Brook Road 1915	437.50	21.88	5.
Allen Road 1915	763.62	24.00	3.26+
Bridge and Bridle	901.62		
Lexington Road	1,338.51	56.79	4.25
Maple Street	514.11	24.00	4.67
Salem Road	459.16	12.00	2.61
Salem Road No. 2	233.31	12.00	5.14
River View Avenue	1,021.85	57.00	5.57
Town Farm Lane No. 2	545.73	76.45	14.01
Preston Street	142.84	12.00	8.4
Mason Avenue No. 2	496.21	53.79	11.04
Lexington Road No. 2	2,681.43		
Chelmsford Road No. 2	682.11	18.00	2.63+
Walnut Street	917.38	4.92	0.52
Hampstead Road	427.43		
Brentham Road	298.27	11.00	4.00
Seven Oaks Road	394.72	12.00	3.04
Lowell Fertilizer	3,089.89	175.75	5.68+
Parker Street	335.67	12.00	3.57

SUMMARY OF STATISTICS FOR THE YEAR ENDING DECEMBER 31, 1919.

Population by census 1915: 3,246.

Date of construction: 1898.

By whom owned: Town.

Source of supply: Driven wells.

Mode of supply: Pumping to standpipe.

1. Builders of pumping machinery: Barr Pumping Engine Co.
2. Description of fuel used:
 - a. Kind: Bituminous.
 - b. Brand of Coal: New River.
 - c. Average price of coal per gross ton, delivered: \$10.07.
3. Coal consumed for year: 865,420; for pumping only 758,195 lbs.
4. Total pumpage for the year: 134,098,847 gallons, without allowance for slip.
5. Average static head against which pumps work: 299.52.
6. Average dynamic head against which pumps work: 322.39.
7. Number of gallons pumped per pound of coal. For pumping only: 177.
8. Number of gallons pumped per pound of coal. Total coal used 155.
9. Cost of pumping figured on pumping station expenses: \$6715.14.
10. Per million gallons pumped: \$50.11.

CONSTRUCTION ACCOUNT TO JAN. 1, 1919

Cost of works to Jan. 1, 1919		\$187,373.62
Expended from Jan. 1, 1919 to Jan. 1, 1920	\$	4,559.85
Material on hand Jan. 1, 1919	4,033.22	
	<hr/>	
	\$	8,593.07
Receipts from Jan. 1, 1919 to Jan. 1, 1920	\$	683.85
Material on hand Jan. 1, 1920	1,924.00	
	<hr/>	
	\$	2,607.85
		<hr/>
		\$ 5,985.22
Cost of works Jan. 1, 1920		<hr/>
		\$193,358.84

CONSUMPTION

1. Estimate population at date: 4,500.
2. Estimate population on lines of pipe: 4,000.
3. Population supplied: 2,600.
4. Total consumption for the year: 134,098,847.
5. Average daily consumption: 348,990.
6. Gallons per day to each consumer: 134.
7. Cost of supplying water, figured on total maintenance: \$111.75.
8. Total cost of supplying water, figured on total maintenance and interest on bonds: \$161.62.

DISTRIBUTION

1. Kind of pipe: Cast iron.
2. Sizes: From 4 in. to 12 in.
3. Total now in use: 22 miles.
4. Number of hydrants (public and private) now in use: 201.
5. Number of main gates now in use: 135.
6. Number of blow-off gates: 3.
7. Range of pressure on main: 54 to 125 lbs.

Respectfully submitted,

WARREN HOLDEN

F. L. DAY

J. FRANK ROOME

Water Commissioners.

THE COMMONWEALTH OF MASSACHUSETTS

State Department of Health

WATER ANALYSIS (BILLERICA)

Parts in 100,000

Subject to Correction

No.	Date of Collection	APPEARANCE		RESIDUE ON EVAPORATION		AMMONIA		Chlo- rine	NITROGEN AS		Oxygen consumed	Hard- ness	Iron
		Turbid- ity	Sediment	Color	Total	Loss on Ignition	Fixed	Free	Aluminoid In	Ni- trates	Ni- trates		
	1919								Total				
145050	Jan. 22	V. Slight Iron		.12	8.20			.0016	.0050		.38	3.4	.044 New Well
145051	Jan. 22	V. Slight Iron		.18	7.40			.0020	.0042		.44	3.1	.035 Old Well
145449	Feb. 24	V. Slight		.12	8.10			.0008	.0044		.40	3.1	.025 Old Well
145450	Feb. 24	None	V. Slight	.10	6.40			.0014	.0052		.40	3.0	.028 New Well

REPORT OF THE BOARD OF HEALTH

Billerica, Mass., January 20, 1920.

To the Honorable Board of Selectmen:

Gentlemen:—We herewith submit to you the annual report of the Board of Health for the year ending December 31, 1919.

The board has investigated and acted upon all matters brought to their attention.

During the latter part of the year many cases of whooping cough have occurred in the town. There has been reported to the board twenty-two cases of diphtheria, nine cases of scarlet fever and three cases of measles.

The expenses of the board are constantly increasing and we ask that the sum of \$1200 be appropriated for its needs.

Respectfully submitted,

E. J. ALLEY
N. K. FORHAN
T. A. ELLIS

Board of Health.

REPORT OF MEAT INSPECTOR

To the Board of Health of the Town of Billerica:

I submit my report as Meat Inspector.

From June 2nd to December 23rd I have made forty-one visits to Slaughter Houses and eighteen to private places.

I have inspected ninety-seven calves, sixty-six hogs and four cows. Condemmed five calves, one hog and one cow.

Respectfully submitted,

WM. H. HUTCHINS,
Meat Inspector.

REPORT OF THE TOWN TREASURER

Cash in Treasury Jan. 1, 1919	\$ 10,591.62	
Received from all sources for year ending Dec.		
31. 1919	331,287.86	
	<hr/>	\$341,879.48
Approved bills paid for year ending Dec. 31, 1919	\$324,162.07	
Cash balance on hand Dec. 31, 1919	17,717.41	
	<hr/>	\$341,879.48

ARTHUR S. COOK,
Treasurer, Town of Billerica.

REPORT OF MILK INSPECTOR

To the Board of Health of the Town of Billerica:

I submit my report as Milk Inspector.

I have visited eighty-nine places in the town where milk was sold, and found most of the places in good condition. The owners have all applied for either Producers' or Dealers' Permits.

I have granted thirty-eight permits to dealers and paid \$19.00 for same to the Town Treasurer.

Respectfully submitted,

WM. H. HUTCHINS,
Milk Inspector.

REPORT OF COMMITTEE ON THE PINEHURST EXTENSION

To the Citizens of Billerica:—

Your Committee to whom was referred the matter of the Water Extension to the Billerica and Burlington line, a distance of about one mile, have attended to that duty, and report as follows:—

The number of water takers would be small, unless branch extensions to the side streets are installed, which would add materially to the cost, and from what information we could obtain the number would not exceed fifteen, many of whom would only pay the six (6) dollar rate.

We have been unable to obtain any definite information of the exact number of takers but understand that several have made the attempt to secure the number, but they have never reported to us.

A conservative estimate of the cost of laying a six inch pipe for this extension would be about ten (10) thousand dollars, without allowing for the side streets.

Your Committee considers this too large an amount to expend at the present time owing to the high cost of material.

Respectfully submitted,

W. HOLDEN
J. F. ROOME
F. L. DAY

WELCOME HOME CELEBRATION, JULY 4, 1919.

Billerica honored her service men who took part in the Great World War in a manner such as they deserved on July 4 and 5, 1919, and the "Welcome Home" celebration was the greatest ever held in this town. The event was in charge of the selectmen, as voted at the last annual town meeting, and included a parade, exercises on the

Common in Billerica Centre, a banquet for the service men in the Town Hall, band concerts at the Centre and North villages on July 4; and sports on the Charles H. Kohlrausch Playground and a concert and ball in the Town Hall on July 5.

The program was as follows:

Friday, July 4th—Parade.

Formation—Colson Street, North Billerica.

Route—Colson to Wilson to Elm to Lowell to Colson to Elm to Talbot Avenue, to Billerica Centre to Charnstaff Lane to Concord Road to Common.

Platoon of Police.

Chief Marshal, Laurence J. Greenwood.

Chief of Staff, Major Charles Ranlett.

Aids: Newell A. Ritchie, John W. Bostwick, Edward Barton and John Larrett.

Lowell Military Band.

Automobiles with Selectmen, Civil War Veterans and Guests.

Billerica Soldiers and Sailors of the World War, Captain Herbert Hosmer, Commanding.

Victory Fife and Drum Corps, Spanish War Veterans, Sons of Veterans, Billerica Troop Boy Scouts and Civic Organizations.

Floats: Billerica Branch, Red Cross, Knights of Columbus, Asa John Patten Circle, Ladies of the G. A. R., Billerica Grange, Thomas Talbot Lodge, A. F. and A. M., Shawsheen Lodge, I. O. O. F., New England Order of Protection Nineteen Hundred Club, Republican Club, Loyal Asa Pollard Lodge, I. O. O. F. M. U., Father Mathew T. A. Society, Mitchell Military Boys School, Pinehurst Improvement Association, Riverdale Improvement Association, No. Billerica Council No. 1323, R. A., Manning Family Association, Billerica Historical Society and Billerica Fire Department.

Saturday, July 5.

Athletic Program in the afternoon, Kohlrausch Playground.

Evening, Concert and ball in Town Hall.

Exercises on the Common.

Selection.....Lowell Military Band
Address of Welcome

Thomas F. Sheridan, Chairman, Board of Selectmen

Address.....Congressman John Jacob Rogers

Presentation of medals to soldiers and sailors of World War, Rev. Walton H. Doggett, Chairman of Soldiers' and Sailors' Information Committee, assisted by Selectman Thomas Talbot Clark.

Banquet—Town Hall.

Band concerts—8 to 10—Common and Kohlrausch Playground.

REPORT OF SEALER OF WEIGHTS AND MEASURES

North Billerica, Mass., Jan. 15, 1920.

To the Honorable Board of Selectmen:

Gentlemen:

I hereby submit my report as Sealer of Weights and Measures for the Town of Billerica for 1919:

	Scaled	Non-Scaled	Con-demned
Platform Scales over 5,000 lbs.	2	1	—
Platform Scales under 5,000 lbs.	22	—	—
Counter Scales	23	1	—
Beam Scales	2	—	—
Spring Balances	8	—	3
Computing Scales (Platform)	12	—	—
Computing Scales (Hanging)	—	—	—
	<hr/> 69	<hr/> 2	<hr/> 3
Weights (Avoirdupois)	124		
Liquid Measures	65		
Oil Measuring Pumps	26		
Amount received		\$27.08	

Respectfully submitted,

JOHN J. LYONS,
Sealer of Weights and Measures.

REPORT OF THE ELLIOTT FUND FOR AGED WOMEN

Amount on deposit in Mechanics Savings Bank, Jan. 1, 1919	\$523.81
Interest accrued Jan. 1, 1920	23.81
	<hr/>
Amount on deposit Jan. 1, 1920	\$547.62

MARY W. EAMES,
Trustee.

REPORT OF THE TAX COLLECTOR

From Dec. 31, 1918 to Mar. 26 1919

	1918	1917	1916	1915
Balance Dec. 31, 1918, including Moth Tax	\$34,005.49	\$19,351.02	\$ 5,496.75	\$ 1,201.93
Additional	2.01		12.70	
Cash Collected	4,874.58	2,322.35	106.80	124.04
	<hr/>	<hr/>	<hr/>	<hr/>
Balance Mar. 26, 1919	\$29,132.92	\$17,028.67	\$ 5,402.65	\$ 960.89

MOTH TAX

	1918	1917	1916	1915
Balance Dec. 31, 1918	\$ 147.15	\$ 134.37	\$ 16.92	\$ 15.49
Collected	21.45	4.74		9.55
Balance Mar. 27, 1919	\$ 125.70	\$ 129.63	\$ 16.92	\$ 5.94

RECAPITULATION

Total Tax uncollected Dec. 31, 1918	\$60,369.12
Additional 1918 and 1916	14.71
Interest Collected	399.15
	<u>\$60,782.98</u>
Paid Treasurer	\$ 7,976.03
Abatements and Corrections	3.63
	<u>7,979.66</u>
Balance Due the Town March 26, 1919	\$52,803.32

T. F. McELLIGOTT, Collector.

REPORT OF THE TAX COLLECTOR

	1918	1917	1916	1915
Balance Mar. 22, 1919	\$29,132.92	\$17,028.67	\$ 5,402.65	\$ 960.89
Additional 1919 Commitment ..				56.98
Regular	\$146,732.69			
Excise	1,846.02			
	<u>\$148,578.71</u>			
Cash Collected ..	\$119,063.09	\$20,756.42	\$14,404.99	\$ 4,089.76
Abatements	440.81	652.11	978.63	1,029.60
	<u>\$ 29,074.81</u>	<u>\$ 7,724.39</u>	<u>\$ 1,645.05</u>	<u>\$ 283.29</u>
Balance Dec. 31, 1919	\$ 29,074.81	\$ 7,724.39	\$ 1,645.05	\$ 283.29
Moth Tax	\$ 125.70	\$ 129.63	\$ 16.92	\$ 5.94
1919 Commitment \$	635.41			
Collected	\$ 484.79	\$ 114.87	\$ 104.37	\$ 14.17
Abatements		1.11	5.65	2.50
	<u>\$ 150.62</u>	<u>\$ 9.72</u>	<u>\$ 19.61</u>	<u>\$ 2.75</u>
Balance Dec. 31, 1919	\$ 150.62	\$ 9.72	\$ 19.61	\$ 2.75

RECAPITULATION

Debit:	
Total tax uncollected March 22, 1919	\$ 52,803.32
1919 Commitment	149,214.12
Additional	56.98
Tax titles redeemed	68.58
Interest collected	3,414.67
	<u>\$205,557.67</u>

Paid Treasurer	\$163,070.66	
Abatelements and Corrections	3,576.77	
		166,647.43
Uncollected Balance Dec. 31, 1919		\$ 38,910.24
Uncollected Balance Dec. 31, 1918		\$ 60,369.12
Gain for year		\$ 21,458.88

CHARLES A. WRIGHT,
Collector of Taxes.

REPORT OF BOARD OF ASSESSORS

Billerica, January 7, 1920.

To the Board of Selectmen:

Gentlemen:

The Board of Assessors submit the following report for the year 1919:

Valuation of the town 1919	\$6,413,696.00
Valuation of the town 1918	6,279,679.00
Increase	\$ 134,017.00
Number of Horses assessed	313
Cows assessed	648
Sheep assessed	5
Neat cattle other than cows	191
Swine assessed	287
Dwellings assessed	1,741
Acres of land	15,177
Fowls	2,986
Residents assessed on property	1,113
Non-Residents assessed on property	2,349
Polls assessed	1,257

Rate of taxation: \$22.50 per thousand.

Respectfully submitted,

WM. H. SEXTON
E. A. KING
RALPH L. DODGE

Assessors.

REPORT OF THE TOWN ACCOUNTANT

TREASURER'S RECEIPTS

TAXES

From Collector

1919 Commitment:

Polls	\$ 1,344.00	
Personal Property	25,976.51	
Real Estate	90,441.11	
	<hr/>	\$117,761.62

1918 Commitment:

Polls	\$ 626.00	
Personal Property	1,630.76	
Real Estate	19,432.71	
	<hr/>	\$ 21,689.47

1917 Commitment:

Polls	\$ 382.00	
Personal Property	1,125.72	
Real Estate	11,390.26	
	<hr/>	\$ 12,897.98

1916 Commitment:

Polls	\$ 244.00	
Personal Property	512.01	
Real Estate	3,435.82	
	<hr/>	\$ 4,191.83

1915 Commitment:

Polls	\$ 74.00	
Personal Property	81.00	
Real Estate	622.95	
	<hr/>	\$ 777.95

Tax Deeds Redeemed	\$ 68.58	
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Moth Assessments:

1919 Commitment	\$ 484.79	
1918 Commitment	136.32	
1917 Commitment	109.11	
1916 Commitment	14.17	
1915 Commitment	12.99	
	<hr/>	\$ 757.38

Excise Taxes:

1919 Commitment	\$ 1,296.07	
1918 Commitment	3,929.01	
1917 Commitment	3,811.21	
	<hr/>	\$ 9,036.29

\$167,181.10

From Commonwealth

Income Taxes:

1919 Levy	\$ 6,810.79	
1918 Levy	756.00	
1917 Levy	432.00	
	<hr/>	\$ 7,998.79

Amount carried forward \$ 7,998.79 \$167,181.10

Amount brought forward	\$ 7,998.79	\$167,181.10
Business Corporation	\$ 7,779.34	
Public Service Corporation	1,082.95	
National Bank Tax	940.07	
Soldiers' Exemption	29.34	
Street Railway Corporation	1,689.86	
	<hr/>	\$ 19,520.35

Licenses and Permits

Peddlers' Licenses	\$ 41.00	
Denatured Alcohol Licenses	4.00	
Auctioneers' Licenses	2.00	
Milk Permits	19.00	
	<hr/>	\$ 66.00

Fines and Forfeits

Police Court Fines	\$ 74.93	
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Grants and Gifts

Vocational School Refund	\$ 256.87	
Dog Licenses Refund	372.21	
	<hr/>	\$ 629.08
		<hr/>
		\$ 770.01

DEPARTMENTAL

Tax Collector

Telephone Tolls	\$ 3.80	
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Town Halls

Rent of Town Hall	\$ 299.00	
Rent of Union Hall	26.50	
Telephone Tolls45	
	<hr/>	\$ 325.95

Selectmen

Telephone Tolls	8.55	
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Fire Department

Sales:		
Wagon	\$ 25.00	
Harness	10.00	
Stove	3.00	
Table and lumber	7.50	
Telephone Tolls	8.55	
	<hr/>	\$ 54.05

Sealer of Weights and Measures

Fees Collected	\$ 27.08	
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Moth Extermination

Telephone Tolls	\$.50	
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Amount carried forward	\$ 412.23	\$187,471.46
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Amount brought forward	\$	412.23	\$187,471.46
Tree Warden			
Telephone Tolls	\$	9.34	
Highways			
Sale of Crushed Stone	\$	24.80	
Macadam Construction:			
Lowell Street		2,000.00	
Resurfacing:			
Brown's Corner to Bridge		778.87	
		<hr/>	\$ 2,803.67
Town Farm			
Sales:			
Milk	\$	3,480.57	
Produce		477.69	
Stock		179.00	
Bags		13.04	
Telephone Tolls		4.25	
Board		12.00	
Plowing		9.50	
		<hr/>	\$ 4,176.05
Outside Relief			
Reimbursements by Cities	\$	318.00	
Commonwealth		195.30	
		<hr/>	\$ 513.30
Mothers' Aid			
Reimbursement by Cities	\$	95.33	
Commonwealth		1,728.67	
		<hr/>	\$ 1,824.00
State Aid			
Reimbursement by Commonwealth ..	\$	4,363.00	
Schools			
Tuition	\$	265.35	
Telephone Tolls, Car Tickets, Etc.		43.37	
		<hr/>	\$ 308.72
Playgrounds			
Rent of Kohlrausch Playground for Circus			\$ 5.00
Unclassified			
Returned Checks Redeemed	\$	11.21	
		<hr/>	\$ 14,426.52
Water Department			
Sale of Water	\$	9,137.64	
Hydrant Appropriation		4,125.00	
Miscellaneous:			
Service Piping	\$	582.65	
Guarantees		191.19	
		<hr/>	
Amount carried forward	\$	773.84	\$ 13,262.64 \$201,897.98

Amount brought forward	\$	773.84	\$	13,262.64	\$201,897.98
Meters		101.20			
Meter Repairs		48.83			
Sundry Receipts		222.03			
		<hr/>	\$	1,145.90	
				<hr/>	\$ 14,408.54

Town Scales

Fees Collected			\$	28.05
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Cemeteries

Sale of Lots		\$	172.00	
Care of Lots:				
From Individuals	\$	467.52		
Perpetual Care Funds		452.00		
		<hr/>	\$	919.52
Timber Sold				48.30
				<hr/>
			\$	1,139.82

Interest

On Deposits		\$	342.05	
Deferred Taxes and Assessments			3,812.90	
Sinking Funds				
Water Works Loan	\$	2,394.99		
School House Loan		951.50		
Town Hall Loan		184.83		
		<hr/>	\$	3,531.32

Cemetery Trust Funds:

North Cemetery	\$	350.67		
Fox Hill Cemetery		281.95		
South Cemetery		129.80		
		<hr/>	\$	762.42

Other Trust Funds:

Bowers Fund	\$	780.04		
Winthrop Faulkner Fund		46.02		
Abbott Singing Fund		15.01		
Common Seat Fund		2.75		
Watering Trough Fund		1.54		
			\$	845.36
			<hr/>	\$ 9,294.05

Temporary Loans

Anticipation of Revenue			\$	70,000.00
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Trusts and Investments

Cemetery Funds	\$	1,250.00		
Haynes Jenkins Fund		1,000.00		
Bowers Fund		1,500.00		
Sinking Funds		30,476.82		
		<hr/>	\$	34,226.82
Amount carried forward				<hr/>
			\$	330,995.26

Amount brought forward

\$330,995.26

Refunds

Taxes	\$ 52.69	
Highways	16.45	
State Aid	40.00	
Schools	88.32	
Water Department	95.14	
	<hr/>	\$ 292.60
		<hr/>
		\$331,287.86
Cash on hand January 1, 1919		\$ 10,591.62
		<hr/>
		\$341,879.48

EXPENDITURES**GENERAL GOVERNMENT****Finance Committee**

Printing Reports	\$ 28.00
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Selectmen

Salaries	\$ 600.00	
Stationery and Postage	23.80	
Printing and Advertising	38.95	-
Auto Hire	5.00	
Telephone	40.27	
Express and Cartage	2.90	
Distributing Reports	10.00	
Warning Sign	7.00	
Framing Certificate	2.20	
	<hr/>	\$ 730.12

Accounting

Salary	\$ 7.00	
Stationery, Printing and Postage	71.23	
Express .....	.35	
	<hr/>	\$ 771.58

Treasury

Salary	\$ 500.00	
Stationery and Postage	37.30	...
Car Fares	29.08	
Surety Bond	120.00	
	<hr/>	\$ 686.38

Collecting Department

Salary	\$ 700.00	
Stationery, Printing and Postage	286.57	
Telephone	35.51	
Surety Bond	100.00	
	<hr/>	\$ 1,122.08

Amount carried forward

\$ 3,338.16

Amount brought forward \$ 3,338.16

Assessors' Department

Salaries	\$ 900.00	
Stationery and Postage	34.11	
Printing	30.45	
Advertising	92.00	
Real Estate Transfers	42.20	
Examining Records	15.00	
Express .....	.38	
Use of Auto and Extra Copying	142.86	
	<hr/>	\$ 1,257.00

Other Finance Offices and

Accounts

Certifying Town Notes	\$ 10.00	
Rent of Safety Deposit Box	25.00	
	<hr/>	\$ 35.00

Law Department

Legal Advice	\$ 253.00	
Stationery and Printing	2.00	
Telephone .....	.25	
Fees	3.65	
Recording	3.75	
Transcripts	39.40	
	<hr/>	\$ 302.05

Town Clerk's Department

Salary	\$ 300.00	
Indexing Records	50.00	
Stationery, Printing and Postage	46.34	
Telephone	21.51	
Express .....	.88	
Car Fare	1.26	
	<hr/>	\$ 419.99

Election and Registration

Registrars of Voters	\$ 357.99	
Election Officers	225.00	
Register	1.50	
Printing	39.75	
Meals	3.50	
	<hr/>	\$ 627.74
	<hr/>	\$ 5,979.94

Maintenance of Halls

Town Hall:	
Janitor	\$ 600.00
Fuel	210.61
Light	141.00
Janitors' Supplies	21.85
Repairs	86.53

Amount carried forward	\$ 1,059.99	\$ 5,979.94
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Amount brought forward	\$ 1,059.99	\$ 5,979.94
Insurance	115.80	
Telephone	35.67	
Water	12.00	
Crockery	25.14	
Tuning Piano	8.50	
Blotters and pads	4.00	
	<hr/>	\$ 1,261.10

Union Hall:

Janitor	\$ 50.00	
Shingling	863.00	
Other Repairs	97.83	
Insurance	220.00	
Water	6.00	
Lawn Mower	14.00	
Express and Cartage .....	.50	
	<hr/>	\$ 1,251.33
		<hr/> \$ 2,512.43

Police Department

Salaries and Wages:

Regular Officers	\$ 2,632.00	
Special Officers	721.00	
	<hr/>	\$ 3,353.00

Other Expenses:

Auto Hire	\$ 580.50	
Equipment for Men	34.10	
Stationery, Printing and Postage ..	16.10	
Telephone	93.33	
Keep of Prisoners	14.32	
Auto List	18.00	
Medical Services	48.00	
Warning Signs	12.50	
Car Fares	5.59	
Lunches	1.93	
Express .....	.35	
	<hr/>	\$ 824.72
		<hr/> \$ 4,177.72

Fire Department

Salaries and Wages:

Chief	\$ 600.00	
Assistant Chief	150.00	
Forest Warden	100.00	
Permanent Men	2,103.85	
Call Men	1,600.05	
Extra Duty and Extra Help	133.50	
	<hr/>	\$ 4,687.40

Amount carried forward	\$ 4,687.40	\$ 12,670.09
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Amount brought forward		\$ 4,687.40	\$ 12,670.49
Other Expenses:			
Horse Hire	\$ 115.00		
Truck Hire	24.00		
Auto Hire	314.83		
Truck Repairs and Supplies	358.61		
Gasoline and Oil	84.77		
Rectifier	28.00		
Battery	30.00		
Steamer Repairs	7.94		
Steamer Inspection	5.00		
Wagon Repairs	21.41		
Soda	10.60		
Equipment and Repairs	52.22		
Equipment for Men	73.75		
Fire Alarm System	258.86		
Fuel	434.75		
Lights	61.91		
Repairs of Buildings	177.04		
Furniture and Furnishings	68.85		
Water	16.82		
Trap Grate and Frame	10.30		
Gravel and Teaming	19.75		
Cement	30.10		
Supplies	58.85		
Stationery, Printing and Postage	28.50		
Telephone	96.75		
Freight, Express and Cartage	9.73		
Decorating	6.00		
Lunches	3.02		
		\$ 2,407.36	
			\$ 7,094.76
Hydrants			4,125.00
Cementing and Draining Station			
Basement	\$ 300.00		
Appropriation for Firemen's Re-			
lief Association	250.00		
		\$ 550.00	
Sealer of Weights and Measures			
Salary	\$ 100.00		
Supplies	6.58		
		\$ 106.58	

INSECT PEST EXTERMINATION

Gypsy and Brown Tail Moth

Salaries and Wages:

Superintendent	\$ 1,054.50		
Other Labor	1,234.75		
		\$ 2,289.25	

Amount carried forward	\$ 2,289.25	\$ 24,546.43
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Amount brought forward		\$ 2,289.25	\$ 24,546.43
Other Expenses:			
Insecticides	\$ 750.00		
Telephone	17.34		
Hardware and Tools	2.50		
Auto Hire	216.00		
Horse Hire	37.00		
Gasoline and Oil	25.62		
Batteries	2.25		
Freight and Express	1.54		
Advertising	2.21		
	<hr/>	\$ 1,054.46	
		<hr/>	\$ 3,343.71

Elm Beetle

Superintendent	\$ 63.00		
Other Labor	149.50		
Team Hire	82.50		
	<hr/>	\$	295.00

Tree Warden

Salaries and Wages:			
Tree Warden	\$ 65.50		
Other Labor	58.50		
	<hr/>	\$ 124.00	
Other Expenses:			
Hardware and Tools	\$ 3.70		
Telephone	29.09		
Team Hire	36.00		
	<hr/>	\$ 68.79	
		<hr/>	\$ 192.79

Health and Sanitation

Salaries and Wages:			
Board of Health	\$ 150.00		
Clerk	50.00		
Medical Inspector of Schools	500.00		
Cattle Inspector	100.00		
Meat Inspector	110.60		
Milk Inspector	25.20		
	<hr/>	\$ 935.80	

Special Appropriation:			
Milk Inspector 1915, 1916, & 1917	\$ 600.00		

Other Expenses:			
Stationery, Printing and Postage ..	\$ 34.41		
Advertising	3.68		
Express .....	.94		
Board and Treatment	178.00		
Medical Attendance	4.00		
	<hr/>		
Amount carried forward	\$ 221.03	\$ 1,535.80	\$ 28,377.93

Amount brought forward	\$	221.03	\$	1,535.00	\$	28,377.93
Loss of Wages		4.00				
Return of Births		8.50				
Placarding and Fumigating		55.00				
Automobile Expense		69.90				
Culture Examinations		85.00				
		<hr/>	\$	443.43		
				<hr/>	\$	1,979.23

Stearns and Blanchard Brooks

Stearns Brook:

Contract for Culvert	\$	208.00				
Lumber		70.20				
		<hr/>	\$	278.20		

Blanchard Brook:

Labor Cleaning Same			\$	53.75		
				<hr/>	\$	331.95

Highways

Salaries and Wages:

Highway Surveyor	\$	2,000.00				
Labor		8,164.10				
Teams		1,610.38				
Plowing Sidewalks		383.30				
		<hr/>		\$	12,157.78	

Other Expenses:

Crushed Stone and Gravel	\$	1,555.97				
Lumber and Pipe		1,416.24				
Scarifier		1,000.00				
Tar and Road Oil		857.33				
Two Horses		610.00				
Auto Truck Repairs and Supplies		813.20				
Gasoline and Oil		676.77				
Truck Snow Plow		350.00				
Harness Supplies		153.95				
Blacksmith Work		214.23				
Other Equipment and Repairs		202.46				
Hay, Grain and Straw		729.46				
Freight		282.18				
Telephone		22.92				
Placing Warning Signs		82.62				
Veterinary and Drugs		23.55				
Use of Dump Cart		31.25				
Town Barn Repairs		77.29				
Insurance		57.96				
Painting Buildings		63.13				
Fuel		63.19				

Amount carried forward	\$	9,283.70	\$	12,157.78	\$	30,689.11
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Amount brought forward	\$ 9,283.70	\$ 12,157.78	\$ 30,689.11
Medical Attendance	18.00		
Dynamite	12.65		
Light	5.25		
Truck Storage	9.00		
Advertising .....	.56		
	<hr/>	\$ 9,329.16	
		<hr/>	\$ 21,486.94

Above Expenditures Charged to Following Accounts:

Highway Repairs	\$12,000.00		
Lowell Street Macadam	1,439.11		
Brown's Corner Repairs ..	1,304.25		
Emergency Repairs	4,095.59		
Care of Snow and Ice	733.30		
Turnpike Railing	914.69		
Scarifier	1,000.00		
State Highway Tax		\$ 981.55	
Street lighting			4,450.03

Charities

Salaries of Overseers		\$ 400.00	
Outside Relief:			
Stationery, Printing and Postage ..	\$ 22.97		
Traveling Expenses	13.28		
Groceries and Provisions	35.04		
Board and Care	558.29		
Medicine and Medical Attendance	9.50		
Telephone	22.32		
Relief by Other Cities and Towns	135.42		
Cash Aid	99.00		
Mothers' Aid, Cash	2,516.00		
Groceries & Provisions	17.23		
Medicine & Medical			
Expense	126.43		
	<hr/>	\$ 3,555.48	

Bowers Fund Expenditures

Groceries and Provisions	\$ 274.22		
Fuel	37.70		
Cash Aid	106.00		
	<hr/>	\$ 417.92	

Town Farm

Superintendent and Matron	\$ 720.00		
Other Employees	599.79		
Groceries and Provisions	1,015.52		
Dry Goods and Clothing	66.60		
Building Repairs	55.16		

Amount carried forward	\$ 2,457.07	\$ 4,373.40	\$ 57,607.63
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Amount brought forward	\$ 2,457.07	\$ 28,171.52	\$ 57,607.63
Fuel and Light	179.73		
Hay and Grain	2,200.67		
Hardware and Farm Implements	104.67		
Medicine and Medical Attendance ..	4.03		
Laundry	45.38		
Telephone	33.23		
Blacksmith	47.25		
Freight and Express	2.39		
Plants and Seeds	116.66		
Stationery, Printing and Postage	3.86		
Subscription to Courier-Citizen	6.00		
Pigs	30.00		
Fertilizer	146.61		
Advertising .....	.38		
Moth Assessment	8.80		
Tewksbury Taxes	8.05		
Water	35.82		
Ice	62.63		
Basket and Crockery	2.30		
	<hr/>	\$ 5,495.53	
		<hr/>	\$ 9,868.93

State Aid

Civil War Cases	\$ 312.00		
German War Cases	930.00		
	<hr/>	\$ 1,242.00	

Schools

General Expenses :			
School Committee	\$ 180.00		
Superintendent	680.00		
Truant Officers	50.00		
Stationery, Printing and Postage ..	79.41		
Telephone	85.97		
Traveling Expenses	22.70		
Freight, Express and Cartage	83.71		
Magazines	4.00		
Tuning Piano	8.00		
Advertising	5.52		
Legal Advice	10.00		
Flowers	2.40		
Decorating	10.00		
Graduation Expenses	37.47		
Vocational School Tuition	160.00		
Support of Truants	15.00		
Flags	10.96		
	<hr/>	\$ 1,445.14	
Amount carried forward		<hr/>	\$ 68,718.56

Amount brought forward		\$ 1,445.14	\$ 68,718.56
Teachers' Salaries:			
High School	\$ 6,405.76		
Elementary Schools	13,339.15		
Supervisors	2,350.00		
	<hr/>	\$ 22,094.91	
Text and Reference Books:			
High School	\$ 507.66		
Elementary School	251.23		
	<hr/>	\$ 758.89	
Supplies:			
High School	\$ 590.22		
Elementary Schools	638.56		
	<hr/>	\$ 1,228.78	
Transportation:			
Electric Car Tickets	\$ 5,118.95		
Automobile Service	3,280.00		
Auto Truck Bus	4,546.35		
Operation and Maintenance of same	400.57		
	<hr/>	\$ 13,345.87	
Maintenance of Howe School Building and Grounds			
Janitor	\$ 1,449.97		
Fuel and Light	960.45		
Repairs	202.01		
Janitors' Supplies	62.11		
Water	61.10		
Clock Batteries	45.00		
Crushed Stone	313.25		
Team Hire	62.00		
Manure and Seed	36.00		
Insurance	60.25		
Frames	2.90		
	<hr/>	\$ 3,255.04	
Maintenance of Elementary School Building and Grounds			
Janitors	\$ 1,652.04		
Fuel and Light	1,473.99		
Repairs	235.69		
Janitors' Supplies	301.51		
Water	46.68		
Teaming Ashes	127.00		
Manure	18.75		
Catch Basin and Pipe	215.80		
Insurance	84.02		
	<hr/>	\$ 4,155.48	
Amount carried forward		\$ 46,284.11	\$ 68,718.56

Amount brought forward		\$ 46,284.11	\$ 68,718.56
Typewriters for High School	\$ 325.50		
Desks and Chairs for Elementary Schools	173.10		
	<hr/>	\$ 498.60	
		<hr/>	\$ 46,782.71

Libraries

For the Purchase of Books		\$ 46.02	
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Parks and Playgrounds

Common and Greens in the Centre :

Care	\$ 150.00		
Painting and Shingling Bandstand	100.00		
Flag and Repairs	21.15		
Seed	1.80		
Equipment and Repairs	25.29		
	<hr/>	\$ 298.24	

North Billerica Parks :

Care	\$ 61.80		
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Kohlrausch Playground :

Grading	\$ 1,950.00		
Care of Uursery	15.00		
Loam and Sand	150.00		
Equipment	29.28		
	<hr/>	\$ 2,144.28	
		<hr/>	\$ 2,504.32

Unclassified

Recognition of Billerica's Representatives in the Great War July 4, 1919.

Medals	\$ 221.84		
Engraving	52.00		
Banners	48.29		
Decorating	125.00		
Music	443.75		
Catering and Cigars	323.20		
Sports Expense	37.00		
Labor and Express	24.22		
Temporary Bandstand and Repairs ..	75.00		
Wiring Band Stand	13.07		
Light	2.20		
Advertising	16.84		
	<hr/>	\$ 1,382.41	

Town Clock

Care	\$ 25.00		
Repairs	3.00		
	<hr/>	\$ 28.00	

Amount carried forward	\$ 1,410.41	\$ 118,051.61
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Amount brought forward \$ 1,410.41 \$118,051.61

Town Scales

Repairs	\$ 7.50	
Weigh Book	1.50	
	<hr/>	\$ 9.00

Bond Suit

Witnesses	\$ 20.00	
Auto and Expense	39.00	
Photographs	10.50	
	<hr/>	\$ 69.50

Tax Titles

Tax Deeds	\$ 1,833.33	
Recording	161.59	
	<hr/>	\$ 1,994.92

Billerica Veterans Association

Memorial Day	\$ 125.00	
Printing Town Reports	453.50	
Special Compensation E. A. Barker	300.00	
Middlesex Bureau, Agriculture and Economics	50.00	
Repairs North Billerica Town Pump	46.66	
Returned Checks	11.21	
Pine Street Survey	74.35	
German Cannon Sign and Frame	22.10	
	<hr/>	\$ 4,566.65

Water Department

Salaries and Wages:		
Commissioners	\$ 300.00	
Superintendent	1,300.00	
Engineer	1,572.87	
Clerk	300.00	
Other Labor	7,080.63	
	<hr/>	\$ 10,553.50

Other Expenses:

Automobile	\$ 728.00
Stationery, Printing and Postage ..	18.87
Typewriter	75.00
Telephone	141.77
Pipe and Fittings	2,043.86
Meters	307.40
Meter Repairs and Fittings	146.07
Equipment and Repairs	196.91
Coal	2,345.69
Freight on Coal	274.84
Teaming Coal	289.40
Other Freight, Express & Cartage ..	142.93

Amount carried forward	\$ 6,710.74	\$ 10,553.50	\$122,618.26
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Amount brought forward	\$ 6,710.74	\$ 10,553.50	\$122,618.26
Supplies at Pumping Station	34.84		
Lumber	36.68		
Oil, Waste and Packing	83.34		
Repairs at Pumping Station	516.25		
Telemeter Repairs	103.59		
Enamel and Asphaltum	75.78		
Electric Lights	35.03		
Lead	225.00		
Fencing Land	58.57		
Medical Attendance	8.00		
Witness Fees	6.00		
Traveling Expenses	1.28		
Kerosene	4.30		
Exploders	4.00		
		\$ 7,903.40	
			\$ 18,456.90

Above Expenditures Charged to :

Maintenance	\$14,974.93
Additional Supply	1,052.95
Additions & Extensions	2,429.02

Cemeteries

Salaries and Wages :

Superintendent and Team	\$ 1,500.00
Other Labor	1,027.75
Other Teams	58.00
	\$ 2,585.75

Other Expenses :

Loam	\$ 90.20		
Seeds and Shrubs	11.50		
Fertilizer	113.00		
Equipment and Repairs	48.95		
Telephone	19.23		
Freight and Express	2.46		
Lumber	23.60		
Paint	2.20		
Cement	5.15		
Salt	3.50		
Postage	2.73		
Explosives	18.00		
Fox Hill Extension Survey and Plans	100.00		
	<hr/>	\$ 440.52	
		<hr/>	\$ 3,026.27
Amount carried forward			<hr/> \$144,101.43

Amount brought forward		\$144,101.43
Interest		
Temporary Loans:		
Anticipation of Revenue	\$ 1,875.01	
General Loans:		
Concrete Bridges	\$ 167.50	
Town Hall	600.00	
Talbot School	875.00	
Howe School	2,976.00	
Refunding	360.00	
	<hr/>	\$ 4,972.50
Public Service Enterprises:		
Water Loans	\$ 6,685.00	
	<hr/>	\$ 13,532.51

Municipal Indebtedness

Temporary Loans:		
Anticipation of Revenue	\$ 90,000.00	
General Loans:		
Town Hall	\$ 30,000.00	
Howe High School	4,500.00	
Concrete Bridges	2,000.00	
Refunding	1,000.00	
	<hr/>	\$ 37,500.00
Public Service Enterprises:		
Water Loans	\$ 5,000.00	
	<hr/>	\$132,500.00

Taxes

State Tax	\$ 14,924.80	
County Tax	7,233.75	
	<hr/>	\$ 22,158.55

Trusts and Investments

Cemetery Perpetual Care Funds:		
New Funds	\$ 1,250.	
Current Year Income Added to Accounts	762.42	
	<hr/>	\$ 2,012.42
Sinking Funds:		
Water Works	\$ 4,194.99	
School House	1,826.50	
Town Hall	661.65	
	<hr/>	\$ 6,683.14
Other Trusts:		
Haynes Jenkins Fund	\$ 1,000.00	
Bowers Fund	1,862.12	
	<hr/>	
Amount carried forward	\$ 2,862.12	\$ 8,695.56 \$312,292.49

Amount brought forward	\$ 2,862.12	\$ 8,695.56	\$312,292.49
Abbott Singing Fund	15.01		
Common Seat Fund	2.75		
Watering Trough Fund	1.54		
	<hr/>	\$ 2,881.42	
		<hr/>	\$ 11,576.98

Refunds

Taxes	\$ 52.69		
Highways	16.45		
State Aid	40.00		
Schools	88.32		
Water Department	95.14		
	<hr/>	\$ 292.60	
		<hr/>	\$324,162.07
Balance in Treasury Dec. 31, 1919			17,717.41
			<hr/>
			\$341,879.48

**APPROPRIATION ACCOUNTS
RECAPITULATION**

	Available	Expenditures	Balance
Treasurer's and Collector's Bond	\$ 220.00	\$ 220.00	
Assessors' Special	250.00	250.00	
Indexing Records	50.00	50.00	
Town Halls	2,504.03	2,504.03	
Police Department	4,250.00	4,177.72	72.28
Fire Department	7,000.00	6,994.76	5.24
Firemen's Relief Associations	250.00	250.00	
Cement and Draining Station Base- ment	300.00	300.00	
Moth Extermination	3,399.04	3,343.71	55.33
Elm Beetle	300.00	295.00	5.00
Tree Warden	200.00	192.79	7.21
Board of Health Expenses	700.00	629.23	70.77
Milk Inspector 1915, 1916, 1917	600.00	600.00	
Stearns and Blanchard Brooks	331.95	331.95	
Highway Repairs	12,000.00	12,000.00	
Snow and Ice Removal	1,000.00	733.30	266.70
Brown's Corner Resurfacing	778.87	1,304.25	* 525.38
Turnpike Railing and Wall	2,000.00	914.69	1,085.31
Mt. Pleasant Street Drainage	200.00		200.00
Scarifier for Roller	1,000.00	1,000.00	
Emergency Highway Repairs		4,095.59	*4,095.59
Pine Street Repairs	400.00		400.00
Lowell Street Macadam	2,500.00	2,419.47	80.53
Pollard Street Macadam	2,000.00		2,000.00
Faulkner Street Sidewalk	400.00		400.00
Street Lights	4,700.00	4,450.03	249.97
Outside Relief	3,000.00	3,555.48	* 555.48
Town Farm	4,800.00	5,495.53	* 695.53

	Available	Expenditures	Balance
Industrial School	400.00	160.00	240.00
Schools	45,924.46	46,442.71	* 518.25
Grading High School Grounds	257.53		257.53
Parks	400.00	396.04	3.96
Common	150.00	150.00	
Kohlrausch Playground	2,000.00	1,958.28	41.72
Park Trail Reservation Bonds	100.00		100.00
Special Compensation E. A. Barker ..	300.00	300.00	
Memorial Day	125.00	125.00	
Recognition of Heroes July Fourth	1,411.33	1,411.33	
Record of Service Men	100.00		100.00
Printing	700.00	700.00	
Incidentals	1,200.00	1,153.62	46.38
Reserve	2,000.00	1,835.11	164.89
Middlesex County Bureau	50.00	50.00	
Salaries	5,912.99	5,812.99	100.00
Water Maintenance	16,125.00	14,974.93	1,150.07
Extensions	4,461.88	2,429.02	2,032.86
Additional Supply	1,446.98	1,052.95	394.03
Hydrants	4,125.00	4,125.00	
Cemeteries	3,000.00	2,931.07	68.93
Fox Hill Extension	95.20	95.20	
Interest	10,000.00	9,087.51	912.49
Town Hall Bond Interest	600.00	600.00	
School House Sinking Fund and			
Interest	1,750.00	1,750.00	
Water Works Sinking Fund	1,800.00	1,800.00	
Howe School Bond Interest	2,970.00	2,970.00	
Town Notes	12,500.00	12,500.00	
*Overdraft			

TAX STATEMENT, DECEMBER 31, 1919

	Uncollected Jan. 1, 1919	Collected during 1919	Balance Dec. 31, 1919
Levy of 1919	\$ 1,201.93	\$ 1,258.91	
Additional	56.98		
Levy of 1916	5,496.75	5,226.16	\$ 283.29
Additional	12.70		
Levy of 1917	19,351.02	17,705.97	1,645.05
Levy of 1918	34,005.49	26,283.11	7,724.39
Additional	2.01		
Levy of 1919	148,578.71	119,503.90	29,074.81

MOTH ASSESSMENT

Assessed in 1915	\$ 15.49	\$ 15.49	
Assessed in 1916	16.92	14.17	\$ 2.75
Assessed in 1917	134.37	114.76	19.61
Assessed in 1918	147.15	137.43	9.72
Assessed in 1919	635.41	484.79	150.62
Totals	\$209,654.93	\$170,744.69	\$ 38,910.24

REPORT OF CEMETERY TRUST FUNDS

NAME OF FUND	Amount Jan. 1, 1919	1919 Income	1919 Expen- ditures	Balance Dec. 31, 1919
North Cemetery				
Sawyer Fund	\$ 151.66	\$ 6.39	\$ 8.00	\$ 150.05
Samuel Osgood	118.60	5.38	4.00	119.98
Josiah Rogers	254.42	11.57	10.00	255.99
Isaac Knafton	102.07	4.64	4.00	102.71
Bryant	166.26	7.57	8.00	165.83
Betsey Cowdrey	54.02	2.46		56.48
Balmforth	110.87	5.02	4.00	111.89
Shedd	132.76	6.01	5.00	133.77
Calvin Rogers	380.65	17.30	10.00	387.95
Amos Cray	289.97	13.16	10.00	293.13
Francis V. Noyes	267.42	12.15	10.00	269.57
Faulkner	1,506.78	72.46		1,579.24
Levi Sprague	375.62	17.08	15.00	377.70
Maria Dows	256.62	11.66	10.00	258.28
Faulkner Wild Randlett	323.63	14.70	12.00	326.33
Mary M. Shores	117.24	5.31	4.00	118.55
H. M. Hutchins	51.94	2.34	2.00	52.28
Andrew Handley	102.86	4.65	4.00	103.51
Georgiana Rogers	165.97	7.51	6.00	167.48
A. R. Richardson	334.70	15.22	12.00	337.92
Higson & Switzer	109.37	4.95	4.00	110.32
Abbott	107.16	4.86	4.00	108.02
H. W. Sheldon	110.73	5.02	4.00	111.75
Coffey	106.63	4.84	4.00	107.47
Chris C. Walker	107.96	4.89	4.00	108.85
W. O. Sheldon	106.29	4.82	4.00	107.11
A. M. Spaulding	109.15	4.95	4.00	110.10
Allan Bottomley	106.39	4.82	4.00	107.21
Robert Ritchie	106.39	4.82	4.00	107.21
Jennie S. Twombly	102.09	4.63	4.00	102.72
W. A. Evans	218.54	9.93	7.00	221.47
A. H. Jones	218.54	9.93	5.00	223.47
S. A. Sutcliffe	105.11	4.77	4.00	105.88
Farwell	105.11	4.77	4.00	105.88
Lucy Brown	112.04	5.09		117.13
Saville Metcalf	100.56	4.55	4.00	101.11
Van Deursen Currier	102.64	4.63	4.00	103.27
Bartlett Baldwin	106.64	4.84		111.48
W. G. Potts	100.13	5.33	4.00	101.46
Added in 1919:				
Fairbrother Draper	100.00	3.40		103.40
G. E. Simonds	100.00	2.25		102.25
Richard Perry	100.00			100.00
Ellen Floyd	100.00			100.00
Oliver Richardson	100.00			100.00
James Barrington	100.00			100.00
D. Hartford	100.00			100.00
	<hr/> \$8,205.53	<hr/> \$350.67	<hr/> \$210.00	<hr/> \$8,346.20

NAME OF FUND	Amount Jan. 1, 1919	1919 Income	1919 Expend- tures	Balance Dec. 31, 1919
Fox Hill Cemetery				
Thompson Fund	\$1,165.05	\$ 37.16		\$1,202.21
Joel Baldwin	117.85	5.33	\$ 4.00	119.18
Gray	608.40	27.68		636.08
Olivia A. Stearns	111.81	5.07	4.00	112.88
A. W. Patten	427.39	19.44	12.00	434.83
Bohonan	87.52	3.96	3.00	88.48
Frost	106.34	4.82	4.00	107.16
Esther A. Holden	110.27	5.00	4.00	111.27
William F. Burrows	101.09	4.59	4.00	101.68
John Fisk	50.48	2.28	2.00	50.76
George H. Hall	220.63	10.01	4.00	226.64
Samuel H. King	110.91	5.02	4.00	111.93
Gilman	100.95	4.57	4.00	101.52
Rosa Gatter	222.53	10.11	8.00	224.64
Palmer Richardson	109.15	4.95	4.00	110.10
Baldwin	109.15	4.95	4.00	110.10
Holden White	109.15	4.95	4.00	110.10
Susan Spaulding	156.95	7.11	5.00	159.06
Hannah Alexander	164.07	7.45	5.00	166.52
Shedd Sanborn	103.36	4.68	4.00	104.04
G. H. Bennink	166.11	7.54	4.00	169.65
Andrews	101.93	4.61	4.00	102.54
Harlow Colby	104.10	4.73	4.00	104.83
Dick Folsom	106.39	4.82	4.00	107.21
Underhill	104.02	4.73	4.00	104.75
Crosby and Lowell	211.32	9.61	8.00	212.93
C. R. Wild	79.05	3.58	3.00	79.63
Merton Fisk	103.86	4.71	4.00	104.57
James Sallaway	78.91	3.56	3.00	79.47
Palmer	104.10	4.73	4.00	104.83
D. H. Spiller	102.64	4.63	4.00	103.27
J. & J. Wright	312.38	16.60	10.00	318.98
A. H. Richardson	109.09	9.49	5.00	213.58
P. W. Tully	102.25	4.64	4.00	102.89
Mark Lund	202.25	9.19	6.00	205.44
Added in 1919:				
Mary Turner	100.00	3.40		103.40
Isaac Holden	100.00	2.25		102.25
John O. Richardson	300.00			300.00
John R. Mills	50.00			50.00
	<u>\$6,931.45</u>	<u>\$281.95</u>	<u>\$154.00</u>	<u>\$7,059.40</u>

NAME OF FUND	Amount Jan. 1, 1919	1919 Income	1919 Expend- itures	Balance Dec. 1, 1919
South Cemetery				
Sweetzer	\$1,536.50	\$ 87.58	\$ 50.00	\$1,574.08
Thomas Sumner	111.37	5.04	5.00	111.41
Mary F. J. Foster	114.11	5.18	5.00	114.29
Susan E. Hutchins	112.14	5.09	5.00	112.23
Jaquith	143.06	6.51	5.00	144.57
Abigail Jaquith	105.87	4.79	4.00	106.66
Holden	107.49	4.86	4.00	108.35
Joseph Jaquith	105.11	4.77	4.00	105.88
Foster	129.65	5.98	6.00	129.63
	<hr/> \$2,465.30	<hr/> \$129.80	<hr/> \$ 88.00	<hr/> \$2,507.10

Recapitulation

Amount of Funds Jan. 1, 1919	\$ 16,352.28	
Funds received during 1919	1,250.00	
Interest Income for 1919	762.42	
	<hr/>	
Total		\$ 18,364.70
Expenditures during 1919		452.00
		<hr/>
Balance Dec. 31, 1919		\$ 17,912.70

Accounting

Bonds:

Commonwealth of Mass.	\$ 1,000.00	
Greenfield Electric Light & Power	1,000.00	
Spencer Gas Company	1,000.00	
	<hr/>	\$ 3,000.00

Savings Banks Deposits:

Central Savings Bank	\$ 7,708.19	
Lowell Five Cent Savings Bank ..	3,915.13	
Mechanics Savings Bank	1,399.26	
City Institution for Savings	1,124.15	
Lowell Institution for Savings	755.26	
Traders National Bank Certificate	10.71	
	<hr/>	\$ 14,912.70
		<hr/>
		\$ 17,912.70

WATER WORKS SINKING FUND

Due June, 1928

Amount of Fund January 1, 1919		\$ 53,282.35
Town Appropriation	\$ 1,800.00	
Interest Income for year 1919	2,394.99	
	<hr/>	\$ 4,194.99

Amount of Fund Dec. 31, 1919	\$ 57,477.34
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Accounting

United States Liberty Bonds	\$ 5,000.00	
Boston & Albany R. R. Bond	10,000.00	
New York, New Haven & Hartford Bonds	11,000.00	
Billerica Water Bonds Nos. 11, 13, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 45, 81, 82	15,000.00	
Additional Water Bonds Nos. 39, 40, 41, 42, 43, 44, 45, 46	4,000.00	
Lowell Five Cent Savings Bank	1,414.43	
City Institution for Savings	2,123.06	
Merrimack River Savings Bank	1,800.00	
Lowell Institution for Savings	1,939.90	
Mechanics Savings Bank	1,497.62	
Mechanics Savings Bank	1,033.92	
Central Savings Bank	2,668.41	
	<hr/>	\$ 57,477.34

SCHOOL HOUSE LOAN SINKING FUND**Due May, 1921**

Amount of Fund January 1, 1919		\$ 21,910.28
Town Appropriation	\$ 875.00	
Interest Income for the year 1919	951.50	
	<hr/>	\$ 1,826.50
Amount of Fund December 31, 1919		\$ 23,736.78

Accounting

United States Liberty Bonds	\$ 5,200.00	
School House Bonds 23, 24, 25	3,000.00	
Billerica Water Bonds 12, 15, 27, 44	4,000.00	
Additional Water Bonds 35, 36, 37, 38	2,000.00	
Lowell Institution for Savings	733.26	
Central Savings Bank	2,619.29	
City Institution for Savings	1,772.83	
Mechanics Savings Bank	795.24	
Lowell Five Cent Savings Bank	2,741.16	
Merrimack River Savings Bank	875.00	
	<hr/>	\$ 23,736.78

TOWN HALL SINKING FUND

Amount of Fund Jan. 1, 1919	\$ 30,476.82	
Interest Income	184.83	
	<hr/>	\$ 30,661.65
Amount of Bond Issue Paid April 1, 1919	30,000.00	
Balance deposited in Central Sav- ings Bank		\$ 661.65

BOWERS FUND

Amount of Fund January 1, 1919	\$ 17,996.71	
Interest Income for 1919	780.04	
	<hr/>	
Total	\$ 18,776.75	
Expenditures during 1919	417.92	
Balance December 31, 1919		\$ 18,358.83

Accounting

United States Liberty Bonds	\$ 4,500.00	
Town of Billerica Notes 38, 39, 40, 41	4,000.00	
Town of Billerica Water Bond 14	1,000.00	
Town of Russell Bond 8	500.00	
Messer Mortgage	1,000.00	
Colburn Mortgage	450.00	
Lowell Institution for Savings	131.79	
Mechanics Savings Bank	342.99	
Mechanics Savings Bank	465.46	
Central Savings Bank	1,101.30	
Central Savings Bank	2,568.35	
City Institution for Savings	183.07	
City Institution for Savings	185.36	
Lowell Five Cent Savings Bank	1,930.51	
	<hr/>	\$ 18,358.83

ABBOTT SINGING FUND

Amount of Fund January 1, 1919	\$ 1,730.38	
Interest Income for 1919	15.01	
	<hr/>	
Total		\$ 1,745.39

Accounting

Morrissey Mortgage	\$ 1,400.00	
Lowell Five Cent Savings Bank	345.39	
	<hr/>	\$ 1,745.39

COMMON SEAT FUND

Amount of Fund January 1, 1919	\$ 60.82	
Interest Income for year 1919	2.75	
	<hr/>	
Amount of Fund December 31, 1919, Deposited in Central Savings Bank		\$ 63.57

WATERING TROUGH FUND

Amount of Fund January 1, 1919	\$ 34.17	
Interest Income for 1919	1.54	
Amount of Fund December 31, 1919, Deposited in Central Savings Bank		\$ 35.71

WINTHROP FAULKNER FUND

Amount of Fund January 1, 1919	\$ 1,000.50	
Interest Income for 1919	45.52	
Total	\$ 1,046.02	
Expenditures during 1919	46.02	
Balance December 31, 1919, Deposited in Central Savings Bank ..		\$ 1,000.00

HAYNES JENKINS FUND

Deposited in Lowell Five Cent Savings Bank	\$ 1,000.00
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STATEMENT OF TOWN DEBT, DECEMBER 31, 1919.

Year	Water	School Houses	Refunding	Bridges	Total
1920	\$ 5,000	\$ 4,500	\$ 1,000	\$ 1,000	\$ 11,500
1921	5,000	29,500	1,000	1,000	36,500
1922	5,000	4,500	1,000		10,500
1923	5,000	4,500	1,000		10,500
1924	5,000	4,500	1,000		10,500
1925	5,000	4,500	1,000		10,500
1926	5,000	4,500	1,000		10,500
1927	3,000	4,500	1,000		8,500
1928	93,000	4,500			97,500
1929	3,000	4,500			7,500
1930	3,000	4,500			7,500
1931	3,000	4,500			7,500
1932	3,000	4,500			7,500
1933	2,000	4,500			6,500
1934	2,000	4,500			6,500
1935	2,000	4,500			6,500
1936	2,000				2,000
1937	2,000				2,000
1938	2,000				2,000
1939	2,000				2,000
1940	1,000				1,000
Totals	\$158,000	\$ 97,000	\$ 8,000	\$ 2,000	\$265,000

STATEMENT OF INTEREST PAYABLE DECEMBER 31, 1919.

Due In	Water	School Houses	Refunding	Bridges	Total
1920	\$ 6,465.00	\$ 3,665.00	\$ 320.00	\$ 85.00	\$ 10,535.00
1921	6,255.00	3,047.50	280.00	42.50	9,625.00
1922	6,045.00	2,430.00	240.00		8,715.00
1923	5,835.00	2,250.00	200.00		8,285.00
1924	5,625.00	2,070.00	160.00		7,855.00
1925	5,415.00	1,890.00	120.00		7,425.00
1926	5,205.00	1,710.00	80.00		6,995.00
1927	5,035.00	1,530.00	40.00		6,605.00
1928	3,105.00	1,350.00			4,455.00
1929	1,175.00	1,170.00			2,345.00
1930	1,045.00	990.00			2,035.00
1931	915.00	810.00			1,725.00
1932	785.00	630.00			1,415.00
1933	675.00	450.00			1,125.00
1934	585.00	270.00			855.00
1935	495.00	90.00			585.00
1936	405.00				405.00
1937	315.00				315.00
1938	225.00				225.00
1939	135.00				135.00
1940	45.00				45.00
Total	\$ 55,785.00	\$ 24,352.50	\$ 1,440.00	\$ 127.50	\$ 81,705.00

COMPARATIVE NET DEBT STATEMENT **DECEMBER 31, 1919.**

	1917	1918	1919
Due Appropriation Accounts Un- expended	\$ 21,548.77	\$ 5,446.59	\$ 7,448.95
Due Trust Funds	36,088.22	37,174.86	40,116.20
Bonds Payable:			
Water Works	168,000.00	163,000.00	158,000.00
Talbot School	25,000.00	25,000.00	25,000.00
Howe School	81,000.00	76,500.00	72,000.00
Town Hall	30,000.00	30,000.00	
Notes Payable:			
Trustees Howe School	4,000.00	4,000.00	4,000.00
Bowers Fund	6,000.00	5,000.00	4,000.00
Bridges	6,000.00	4,000.00	2,000.00
Anticipation of Revenue	10,000.00	20,000.00	
	<hr/>	<hr/>	<hr/>
	\$387,636.99	\$370,121.45	\$312,565.15
Cash on Hand, Taxes and Water Rates Due	\$ 69,411.19	\$ 72,870.91	\$ 71,827.22
Appropriation Accounts Overdrafts	2,819.07	8,497.27	6,390.23
Due from Commonwealth	2,435.41	4,631.87	1,254.00
Trust Fund Investments	36,088.22	37,174.86	40,116.20
Sinking Funds:			
Water Works	49,284.06	53,282.35	57,477.34
Talbot School	20,137.69	21,910.28	23,736.78
Town Hall	28,412.30	30,476.82	661.65
	<hr/>	<hr/>	<hr/>
	\$208,587.94	\$228,844.36	\$201,463.42
	<hr/>	<hr/>	<hr/>
Net Debt	\$179,049.05	\$141,277.09	\$111,101.73

TOWN OF BILLERICA
BALANCE SHEET, DECEMBER 31, 1919
GENERAL ACCOUNTS

Assets

Cash		\$ 17,717.41	
Accounts Receivable:			
Charles A. Wright, Collector—			
Taxes 1916	\$ 283.29		
Taxes 1917	1,645.05		
Taxes 1918	7,724.39		
Taxes 1919	29,074.81		
		<hr/>	\$ 38,727.54
Moth Assessments 1916	\$ 2.75		
Moth Assessments 1917	19.61		
Moth Assessments 1918	9.72		
Moth Assessments 1919	150.62		
		<hr/>	\$ 182.70
Tax Titles held by Town		1,926.34	
Water Rates		3,273.23	
Due from Commonwealth			
State Aid		1,254.00	
Overdrafts:			
Brown's Corner	\$ 525.38		
Highway Emergency Work	4,095.59		
Outside Relief	555.48		
Town Farm	695.53		
Schools	518.25		
		<hr/>	\$ 6,390.23
		<hr/>	\$ 69,471.45

TOWN OF BILLERICA
BALANCE SHEET, DECEMBER 31, 1919
GENERAL ACCOUNTS

Liabilities

Cemeteries—Sale of Lots Fund	\$	357.00	
Appropriation Balances			
Pine Street	\$	400.00	
Turnpike Wall and Railing		1,085.31	
Mt. Pleasant Street Drainage		200.00	
Lowell Street Macadam		80.53	
Pollard Street Macadam		2,000.00	
Faulkner Street Sidewalk		400.00	
Grading High School Grounds		257.53	
Kohlrausch Playground		41.72	
Park Trail Reservation Bounds ...		100.00	
Record of Service Men		100.00	
Additional Water Supply		394.03	
Extensions of Water Mains		2,032.86	
	\$	7,091.98	
Water Revenue		3,273.23	
Reserve Fund, Surplus Overlay		2,156.63	
Overlay—Reserved for Abatements:			
Levy of 1916	\$	1,962.04	
Levy of 1917		2,892.80	
Levy of 1918		84.57	
Levy of 1919		4,616.41	
	\$	9,555.87	
Surplus Revenue:			
1919 and Prior Years		47,036.79	
			\$ 69,471.45

TOWN OF BILLERICA
BALANCE SHEET, DECEMBER 31, 1919
DEBT AND TRUST ACCOUNTS

Assets

Net Funded or Fixed Debt		\$183,124.23	
Sinking Funds:			
Water Works Loan	\$ 57,477.34		
School House Loan	23,736.78		
Town Hall Loan	661.65		
		\$ 81,875.77	
Trust Accounts		\$ 40,116.20	
			\$305,116.20

TOWN OF BILLERICA
BALANCE SHEET, DECEMBER 31, 1919.
DEBT AND TRUST ACCOUNTS

Liabilities

Funded Debt:

Water Works Loan	\$ 90,000.00	
School House Loan	25,000.00	
	<hr/>	\$115,000.00

Serial Loans:

Howe High School	\$ 72,000.00	
Water Works	68,000.00	
Bowers Fund Refunding	4,000.00	
Trustees Howe School Refunding	4,000.00	
Fordway Bridge Loan	2,000.00	
	<hr/>	\$150,000.00

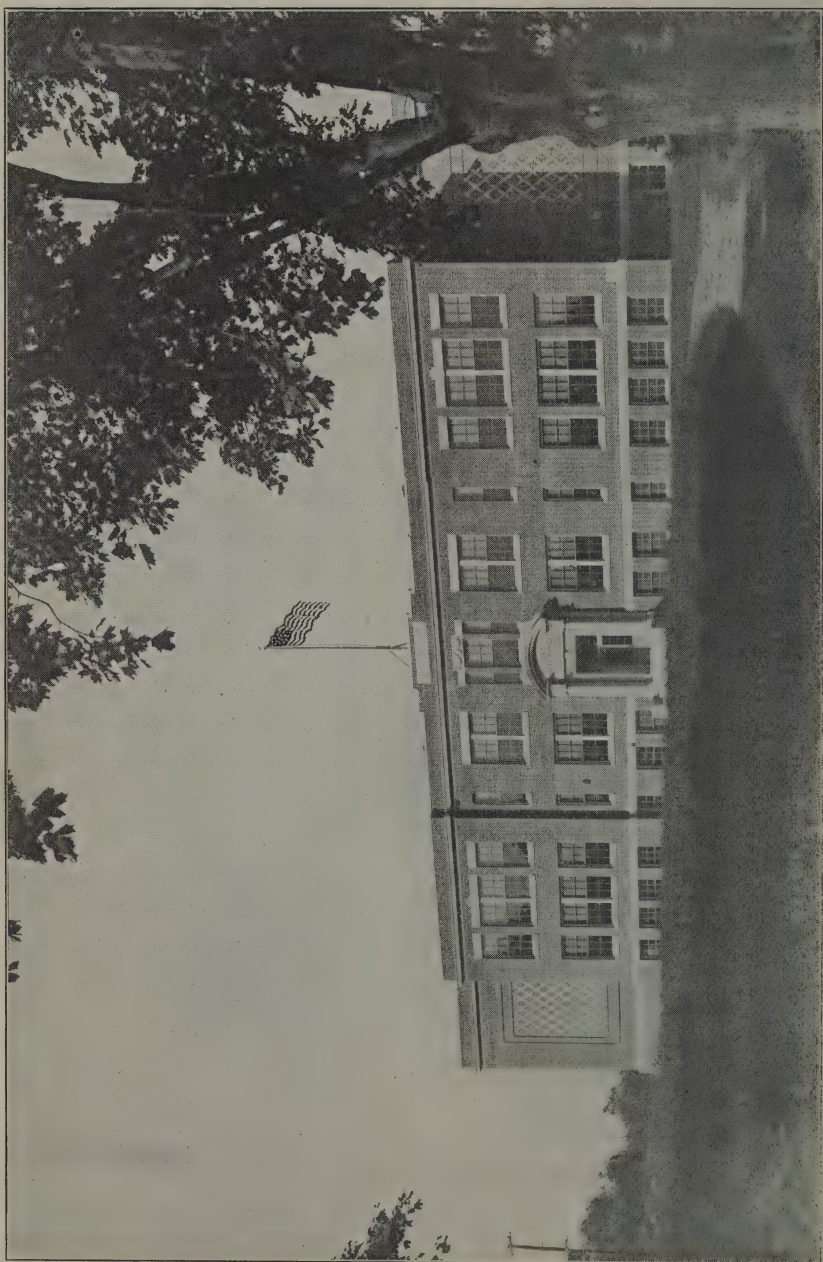
Perpetual Care Funds:

North Cemetery	\$ 8,346.20	
Fox Hill Cemetery	7,059.40	
South Cemetery	2,507.10	
	<hr/>	\$ 17,912.70

Other Trusts:

Bowers Fund	\$ 18,358.83	
Abbott Singing Fund	1,745.39	
Winthrop Faulkner Fund	1,000.00	
Haynes Jenkins Fund	1,000.00	
Common Seat Fund	63.57	
Watering Trough Fund	35.71	
	<hr/>	\$ 22,203.50
		<hr/> \$305,116.20

EVERETT S. BULL,
Town Accountant.



HOWE HIGH SCHOOL

ANNUAL REPORT

OF THE

School Committee

BILLERICA, MASS.

FOR

the Year Ending December 31, 1919

SCHOOL COMMITTEE

MAURICE A. BUCK
Term expires 1922

Tel. Billerica 16

JOHN F. GANNON
Term expires 1921

Tel. Billerica 93

PETER B. KIRSCHNER
Term expires 1920

Removed

Organization

Maurice A. Buck, Chairman
Eugene C. Vining, Secretary

Superintendent of Schools

EUGENE C. VINING

Residence: Concord Road and Charnstaffe Lane

Tel. Billerica 100

Office: High School Building

Tel. Billerica 52-3

Office Hours: 8.00 to 9.00 A. M. every school day. May generally be found at residence between 6.00 and 7.30 P. M.

School Physician

MAURICE A. BUCK, M. D.

Attendance Officers

WILLIAM S. TAYLOR

E. W. SCOFIELD

Regular meetings of the School Committee are held at the High School Building on the Thursday evening preceding the first Monday of each month, except August, at 8 o'clock.

SCHOOL CALENDAR, 1920

School opens January 5.
 Closes February 20.
 Opens March 1.
 Closes April 23.
 Opens May 3.
 Closes June 25.

Summer Vacation

Opens September 7.
 Closes December 23.

Holidays

Washington's Birthday
 Good Friday
 Patriots' Day
 Memorial Day
 Columbus Day
 Thanksgiving and day following.

No School Signal

Four Rounds of the fire whistle (2-2-2).
 At 7.30 to indicate no session of the Howe High School.
 At 7.50 to indicate no session of the Talbot and Pollard Schools.
 At 11.20 A. M. to indicate that the morning session will be extended to 12.30, and no afternoon session.

All pupils are expected to know the above rules and ignorance of them will not be considered a valid excuse for absence. Parents should use their judgment about sending small children or those of delicate health on stormy days when the signal is not sounded.

Census 1919

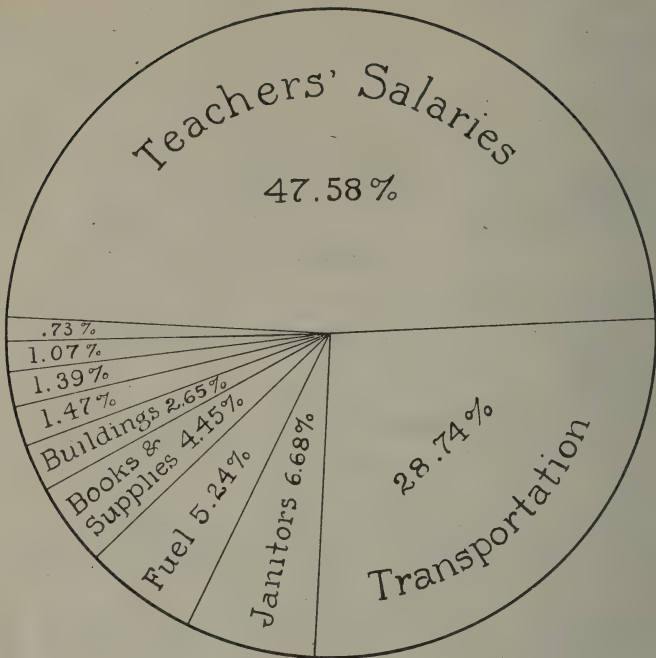
	Boys	Girls	Total
Number of children between 5 and 7 years	77	89	166
Number of children between 7 and 14 years	305	288	593
Number of children between 14 and 16 years	75	64	139
	<hr/>	<hr/>	<hr/>
	457	441	898

Report of Attendance Officers

House call or investigations	124
Truants	34
Kept at home because of sickness	42
Kept at home unsatisfactory excuses	20
Kept at home satisfactory reasons	37
Unsuitable clothing	7
Taken from streets and put into school	34
Working under age or without certificate	3
Parents Warned	23

WILLIAM S. TAYLOR
 E. W. SCOFIELD

ANALYSIS OF EXPENDITURES, 1919



FINANCIAL STATEMENT

RECEIPTS		EXPENDITURES		Per Cent of Expenditures
General Appropriation	\$43,000.00	Teachers' salaries	\$22,094.91	47.58
1918 Balance (Re-appropriated)	2,924.46	Transportation	13,345.87	28.74
		Janitors' salaries	3,102.01	6.68
		Fuel and Electricity	2,434.44	5.24
		Books and Supplies	2,075.38	4.45
		Maintenance of buildings, including repairs	1,228.27	2.65
		Superintendent's Salary ..	680.00	1.47
		Improvement of grounds ..	645.80	1.39
		New equipment	498.60	1.07
Overdraft	518.25	Miscellaneous	337.43	.73
	\$46,442.71		\$46,442.71	100.00

SPECIAL APPROPRIATIONS

School Committee—Salaries	\$180.00
Vocational School	300.00
Medical Inspector	500.00

ENROLLMENT BY GRADES, DEC. 10, 1919

Talbot				
Grade	Boys	Girls	Total	
First	31	25	56	
Second	16	26	42	
Third	30	17	47	
Fourth	24	29	53	
Fifth	27	23	50	
Sixth	19	21	40	
<hr/>				
Total	147	141	288	

Pollard			
First	38	26	64
Second	22	20	42
Third	17	23	40
Fourth	14	23	37
Fifth	21	12	33
Sixth	23	24	47
<hr/>			
Total	135	128	263

Howe			
Seventh	35	35	70
Eighth	34	37	71
Freshmen	19	30	49
Sophomore	14	27	41
Junior	13	19	32
Senior	6	16	22
<hr/>			
Total	121	164	285
Summary	403	433	836

At a meeting of the School Committee, January 10, 1920, it was voted to accept the report of the Superintendent of Schools and to adopt it as the report of the Committee for the year ending December 31, 1919.

REPORT OF THE SUPERINTENDENT OF SCHOOLS

To the School Committee, Billerica, Mass.

Gentlemen:—I have the honor to present the thirtieth annual report of the Superintendent of Schools for the year ending December 31, 1919; this is the fifth in the present series of such reports.

Though addressed to you the report is written quite as much for the citizens of the town. It deals mainly with general matters of administration to which you have been giving your consideration throughout the year and the details of which are already familiar to you.

Housing

In my report two years ago I called attention to the urgent need of early consideration of providing suitable housing for the increasing numbers at the Pollard School. This year opened with a first grade of sixty-eight pupils and but one room to accommodate this number. The best solution seemed to be to divide the number and allow one half to attend in the morning and the other half in the afternoon. Pupils whose progress is unsatisfactory are required to attend both sessions. This arrangement cannot give the best results and until adequate housing is provided must, with increasing numbers, grow more undesirable each year. This condition ought not to be longer continued. All available space except the attic of the Pollard School has been used and unless relief is forth coming before another year it will be necessary to use this attic as a school room.

Either the rental of the Old Howe School or accommodations in the Pinehurst section for the four lowest grades are possible solutions. I would recommend, however, the placing of a portable two room building in the rear of the Pollard building, to be heated either by connection with the present boilers, which are adequate for the purpose, or by a heater which is furnished expressly for the purpose. Should changing future needs make such a building unnecessary in this location, it could, at small expense, be placed to relieve congestion where most needed. An additional unit, made to order, might be added for the storage of the barge. It is high time that the problem of adequate housing of our rapidly increasing school population should be considered with a view to future needs.

Salaries

Billerica's salaries have always been too low to hold teachers of proven worth. It is a difficult matter to maintain the efficiency of a teaching corps on a low salary schedule with this constant leakage at the top. Increases ranging from \$200.00 to \$300.00 have been granted during the year to all teachers, but even these increases are less than increases and salaries paid by other towns which prey upon us. The shortage of teachers is acute and only a very slight improvement seems probable in the near future.

The passage of the General Education Fund Bill by the General Court in July should materially increase the salaries of teachers throughout the state and at the same time make it easy financially for towns to meet this increase.

General Acts, 1919, Chapt. 363, Part I.

An Act to provide for the Distribution of a Portion of the Income Tax—for the Purpose of Improving the Public Schools.

Section 2. The treasurer and receiver general shall, as herein provided, distribute said sum on or before the fifteenth day of November, nineteen hundred and nineteen and annually thereafter, to the several cities and towns of the commonwealth as reimbursement, in part, for expenditures for salaries of teachers, supervisors, principals, assistant superintendent, and superintendent of schools, for services rendered in the public day schools during the year ending on the thirtieth day of June next preceding.

Section 3. For each person employed for full-time service for the entire school year as teacher, supervisor, principal, assistant superintendent, or superintendent of schools, the city or town shall be reimbursed as follows:—

(1) Two hundred dollars for every such person who has received as salary not less than eight hundred and fifty dollars and who is a graduate of an approved normal school or college and has had at least two years' teaching experience or who possesses preparation and teaching experience accepted in lieu thereof.

(2) One hundred and fifty dollars for every such person, not included in the foregoing classification, who has received as salary not less than seven hundred and fifty dollars and (a) who has satisfactorily completed one year of professional training in an approved normal school or teachers' training school, and has had at least three years of teaching experience; or (b) is a graduate of an approved normal school or college, and has had at least one year of teaching experience; or (c) who possesses preparation and teaching experience accepted in lieu of either of the foregoing requirements in this paragraph.

(3) One hundred dollars for every such person, not included in either paragraphs (1) or (2), who has received as salary not less than six hundred and fifty dollars.

This refund (for Billerica \$2,992.75) is paid to the Town Treasurer and in order to be available for teachers salaries must be appropriated by vote of the town.

For the maintenance of Billerica schools I believe that increases are absolutely necessary, but I just as strongly believe that the only sound basis for such increases must take into consideration the quality of a teacher's work rather than to grant an equal flat increase to all.

By the quality of their work teachers place themselves in one of the following groups:

Group I—Those who have been given a fair trial and whose work is so inferior in quality that they should no longer be continued in service.

Group II—Young teachers whose work is not satisfactory, but who show promise of improvement sufficient to justify further trial.

Group III—Teachers who have become stagnant, show little or no advance, and make no effort for professional improvement.

Group IV—Strong teachers whose work is uniformly good and show steady growth from year to year.

Group V—Superior teachers of thorough training, marked teaching ability, initiative, resourcefulness and inspiration to pupils.

Teachers

There have been ten changes in the teaching corps during the year. In April Miss Ethel Schoonmaker and Miss Minnie Dyson resigned to be married. In June Miss Rita Collins and Miss Eleanor Nickerson also resigned to be married and Miss Gertrude Dunmore, Miss L. Marie Hentz, Miss Dorothea Osgood, Miss Sylvia Stoddard and Miss Minnie E. Reynolds accepted better paid positions elsewhere

With the low salaries offered and the scarcity of available teachers much time during the summer was spent in filling these vacancies.

Miss Ruth O. Smith was elected to teach English and History, Miss Ola Nichols, Latin and Mathematics, Miss Lillis M. Guppy, Household Arts and Miss Josephine McGinn, Stenography and Type-writing.

Miss Mae Burger succeeded Miss Dyson in Grade VII, Mrs. Maude K. Burnham succeeded Miss Nickerson in the first grade Talbot School and Miss Dorothy L. White and Miss Louise G. Morse came to the first and second grades respectively at the Pollard School. Miss Esther Adams was retained as assistant in Grade 1.

Miss Rooney's superior qualifications to teach physical training made it seem advisable to introduce the subject in the grades. Many children fall into habits of carelessness of posture both sitting and standing and it is the purpose of the work, as pointed out in last year's report to correct the rounded shoulders and hollow chests so frequently seen in the school room and to teach proper care of body and health. Parents can do very much to make this work effective through their interest in the children's improvement. Nothing promotes success in school work so much as loyal support in the home and, conversely, nothing is more detrimental than unintelligent or unkindly criticism.

Superintendency and High School Principalship

January 1, 1920, the combined offices of Superintendent of Schools and Principal of the High School were separated. The following letter explains the circumstances.

State House, Boston, Mass.,

July 26, 1919.

Dr. M. A. Buck,
Chairman, School Committee,
Billerica, Mass.

My dear Dr. Buck:

Owing to the growth of the town of Belmont, it seems probable that the union superintendency of Belmont and Burlington will be dissolved, in order to permit Belmont to have a full-time Superintendent of Schools.

As the town of Burlington is adjacent to Billerica, I am writing to inquire whether your Committee would consider the formation of a union superintendency with that town, to become operative at the beginning of the next calendar year?

You may be acquainted with the fact that several of the towns in this State that have been maintaining the combined position of Superintendent of Schools and High School Principal are abandoning that plan, for the purpose of establishing a more effective plan for the supervision of the schools. The experience of school-men who have held the combined position seems to indicate that justice cannot be done both lines of work.

In considering this matter, I would make the suggestion that by a union with Burlington, it would be possible for you to secure at a comparatively small additional expense more time for the supervision of your schools than is available under the present plan.

You could probably secure a High School Principal at \$1600 to \$1800, thus enabling the present Superintendent to give his full time to the administration and supervision of the schools.

Burlington is a comparatively small town, having all its schools centralized in one building. I have no doubt that Mr. Vining would be very acceptable to the people of Burlington as Superintendent. I have mentioned this matter to Superintendent Vining on a recent visit to this office, and so far as he is concerned, he seems willing to take the matter under advisement.

I shall be very glad if you will be kind enough to give this matter consideration, as from my point of view, it would be of decided advantage, both to Billerica and Burlington.

Sincerely yours,

(Signed)

BURR F. JONES,

Agent for Elementary Schools.

The growth of the Howe School to a membership of nearly three hundred and the unusual difficulties of school administration during the past two years, have made the combined office of the High School Principal and Superintendent of Schools so exacting as to leave little time for supervision. In a school of three hundred pupils with a constantly changing corps of teachers a principal should always be in the building.

A bill introduced into the last session of the General Court to abolish the dual position, though defeated, shows the present tendency and several towns working under this arrangement have during the past year separated the positions. Similar action by Billerica, in the near future, even if not required by law, seemed necessary. The opportunity presented by the State Board of Education for a union with Burlington seemed to make a favorable district geographically and the logical solution of the dual arrangement.

At a joint meeting of the Committees of Billerica and Burlington, October 16, the union was formed to become operative January 1, 1920. Mr. Eugene C. Vining was elected Superintendent. Mr. Elmo D. MacCurdy, for three years teacher of Science and Manual Training has been gradually taking over the work of principal since September, and was elected to the position January 1.

Transportation

Transportation is perhaps better taken care of than in previous years, though at a considerably increased expense. Through the introduction of the zone system and increase of fares, transportation by trolley is costing per pupil more than twice as much as two years ago. The suspension of traffic on the Middlesex and Boston for two weeks in October, and for ten days in June on the Bay State lines made a

heavy additional expense. To convey the fifty-seven pupils from East Billerica no contractor could be found who would furnish a suitable vehicle. Therefore the committee in the summer purchased a two-ton G. M. C. truck and had a body built by the Sawyer Carriage Co. of Lowell. The owning of its barge is an experiment for Billerica, though a well tested policy in many towns.

With the present excessive rate of trolley fares, the unfortunate placing of zone limits, and the constant requests for further extension of barge service, the question of the transportation of all children by barge is one which should receive consideration. Under present conditions transportation for 1920 will cost approximately \$10,000, an outlay wholly disproportionate to the school appropriation. At the last session of the General Court the following provision regarding transportation of school children was enacted.

In case a child lives more than two miles from the school which he is entitled to attend, and the school committee declines to furnish transportation, the parent or guardian of the child may appeal to the board of education, who, upon reviewing the case, may require the town to furnish transportation for a part or all of the distance from the home of the child to the school. (General Acts, Chapt. 292, Sect. 49.)

Repairs

The repairs in the basement and sanitariums of the Pollard school, long deferred because of the excessive cost of labor and material, should not be delayed beyond the present summer. The need is so urgent that it speaks for itself.

Recent legislation will doubtless require in the not distant future, smoke doors in the upper corridors of the Talbot School. In another year considerable interior painting should be done at the High School. Apparently the action of the lime, especially in all brick walls, has badly affected the paint. Except minor repairs the three buildings are in excellent condition.

The use of the Richardson School has been granted to the residents of East Billerica for religious and social purposes.

High School Orchestra

The High School orchestra has made very satisfactory advance in the past year. Miss Raynes has given gratuitously much time outside of regular hours, and two violin classes have had weekly instruction by Miss Brennan and Mrs. McKeene of Lowell at 25c per lesson. The personnel of the orchestra now numbers twelve composed largely of pupils from the lower classes. In two more years the school should have a very creditable organization.

The proceeds of the two entertainments given in the spring netted \$37.50; \$36.00 has been spent for a trombone. The school now owns drums and trombone, while a 'cello and cornet are owned by the players. The loan or contribution of a clarinet would add a much needed instrument.

School Nurse

The need of a school nurse was urged in the report of the school physician three years ago. Each year during the last five there has been an epidemic of one kind or another in which the aid of a school nurse who should work in conjunction with the school physician and follow up cases of sickness in the home would have repaid the expense incurred. The benefit in shortening the duration of such an epidemic would be alike to the child, the school and the parent in the home.

I trust that the time has come when, either by concerted action among local organizations, a district nurse can be employed for the townspeople as a whole, or by union with some other town this advantage can be secured for our school children at least.

Mr. Frank S. Bartlett who had been janitor of the Pollard School twenty-two years died June 12 after many months of failing health. Mr. Bartlett had served with genuine interest and fidelity and had won the good will and esteem of both teachers and pupils. In July Mr. E. W. Scofield was appointed to the vacancy.

The following benefactions are gratefully acknowledged:

Class of 1919: Pedestal and bust of Abraham Lincoln.

Ladies of the G. A. R.: in memory of former pupils who gave their life in the World War, a blue spruce tree.

Mr. and Mrs. Stephen H. Parker: Dartmouth Medical Diploma (1817), of Dr. Zadoc Howe; also Dr. Howe's certificate of membership in Bunker Hill Monument Association.

Addresses:

Mr. T. C. T. Whitcomb, Thrift and Savings.

Ensign Russell S. Turner, Personal Experiences in Aviation.

Rev. J. H. Dale, Marshal Foch.

Rev. W. L. Walsh, The Monroe Doctrine.

Miss Frances Clark, Lowell Normal School.

Summary

I have discussed in this report:

- (1) Additional Housing.
- (2) Teachers' Salaries.
- (3) Transportation.

I recommend:

- (1) The rental of the Howe School, or a two room portable building at the Pollard School.
- (2) Early sanitary improvements at the Pollard School.
- (3) Salaries sufficient to hold teachers of proven worth.
- (4) Reduction in amount spent for transportation.
- (5) Employment of a school nurse.

Your careful consideration of the reports of the several supervisors, school physician, the financial statement, charts, statistics and general material is asked.

In closing I wish to express to you my genuine appreciation of your continued helpfulness, and thanks to all who have cooperated in the work of the year.

Respectfully yours,
Billerica, January 10, 1920.

EUGENE C. VINING,
Superintendent of Schools.

AGE—GRADE DISTRIBUTION OF PUPILS DECEMBER 10, 1919.

Grade	Age	5½	6	7	8	9	10	11	12	13	14	15	16	17	18	19	Total
I B	19	32	12	5		1											69
I G	16	23	9	3		0											51 120
II B		2	20	13	2	0	1										38
II G		6	23	11	5	1	0										46 84
III B			9	10	20	2	4	2									47
III G			6	15	10	8	1	0									40 87
IV B				7	12	10	4	3	1			1					38
IV G				7	19	19	4	0	3			0					52 90
V B					7	13	20	5	4	2	1	0					48
V G					9	14	5	4	2	0	1						35 83
VI B						2	15	14	4	3	2	1	1				42
VI G						8	14	9	4	6	2	2	2	0			45 87
VII B							10	10	11	3	1						35
VII G							13	15	3	4	0						35 70
VIII B								0	7	16	8	2	1				34
VIII G								2	13	16	4	2	0				37 71
IX B									0	4	7	6	2				19
IX G									1	11	11	6	1				30 49
X B											6	3	4	0	1		14
X G											13	9	3	2	0		27 41
XI B											0	5	6	2			13
XI G											2	7	7	3			19 32
XII B												0	1	3	1	1	6
XII G												2	8	5	1	0	16 22
Total B	19	34	41	35	41	28	54	41	38	28	20	15	6	2	1		403
Total G	16	29	38	36	43	50	39	42	39	40	29	21	10	1	0		428
Total	35	63	79	71	84	78	93	83	77	68	49	36	16	3	1		836 836

Numbers in heavy lines indicate pupils of normal age for their respective grades; numbers below pupils under normal age, and numbers above heavy lines pupils over normal age.

[illegible]

REPORT OF MEDICAL INSPECTOR

The opening of school in January 1919 was delayed on account of the influenza and this had hardly subsided before scarlet fever appeared. There has been scarcely a time during the year when a contagious disease of some kind has not been prevalent.

This condition has called for frequent examinations of all children throughout the year. Inspections throughout town have shown that the school work has been greatly interrupted particularly during the past few weeks by unavoidable absences of pupils in both the Talbot and Pollard Schools.

The general prevalence of whooping cough and scarlet fever has kept the schools greatly depleted in numbers. At present many who have been absent are returning and it is hoped that the worst of the epidemics is passed.

Too much attention can not be given to the proper seating of pupils. Both chairs and desks when possible should be adjusted to the pupil's height, so that he may work easily and naturally. The stooping and cramped positions so often seen in the school room, if persisted in, may become the cause of permanent deformities particularly those of spinal curvature.

The most common defects are poor teeth and affections of the nose and pharynx; enlarged tonsils and adenoid growths are too common. Many a pupil so handicapped is regarded as stupid and comes to believe that he is so. Not all enlarged tonsils should be removed but all troublesome cases require attention. And when the tonsils are badly diseased and adenoid growths are present an operation is often advisable. These matters are of vital importance both to the child's present welfare and future development and the remedy must rest largely with the parent.

Respectfully submitted,

MAURICE A. BUCK,
School Physician.

REPORT OF SUPERVISOR OF MUSIC

Mr. E. C. Vining,
 Superintendent of Schools,
 Billerica, Mass.

Dear Mr. Vining:

My report of the music department of the Billerica schools is as follows:

I am pleased with what we have accomplished in the past year in every line. I do not feel that just teaching vocal music to the children, a few songs and choruses, should be the whole of a music supervisor's work. Far from it. These songs and choruses must have proper interpretation if our boys and girls are to appreciate the beautiful in music. They must be made to feel that the music has its own story to tell, not found in the words alone. Music interpretation then has occupied considerable of our time. The ability to sing words and music at sight is another phase of the work to which I have given special attention and with marked success. The children enjoy it and it is very helpful. So much for vocal music.

Instrumental music has not been neglected. Every child cannot sing. Some people will not agree with me in this. Let me say then, every child cannot sing so that it is a pleasure to listen to him. Every child cannot make a violinist, but I feel that our violin classes and our high school orchestra have been of great benefit to every boy and girl, I have been able to take two members of the violin class and place them in the orchestra. More will be able to make it another year. Through the generosity of the town's people who contributed at our musical last spring, we were able to purchase a trombone for the orchestra. This is loaned to one of the boys who is taking lessons on it and is beginning to play with us. We want more instruments and we want more boys and girls to study them. I should be glad to talk with the parents about this matter for I feel it is a great benefit to every boy and girl to study music in any of its branches for music has a cultural and intellectual value found in no other subject. The United States Bureau of Education believes every child should have a chance in some branch of music, should receive regular credit toward graduation for serious study under special teachers outside of school. I trust Billerica may see this realized.

I wish to thank the teachers who are so faithfully carrying on the work and the Superintendent for his co-operation. They have all made my labor not in vain and my work a pleasure.

Respectfully submitted,

MARY B. RAYNES,

January 5, 1920.

Supervisor of Music.

REPORT OF SUPERVISOR OF SEWING

Mr. Eugene C. Vining,
Superintendent of Schools,
Billerica, Mass.

My report of the Sewing Department is as follows:

In teaching sewing, my aim is to emphasize in the girls' mind how to choose materials, the cost of materials and the knowledge of the quality of it in ready-made garments; also how to make useful articles of clothing, the care of clothes, and the importance of always being neat in appearance. Of course, this requires more than one or two years of sewing.

With the beginners, just the manipulation of tools and the simple hand stitches are learned and improved by practice. Such problems as needlebooks, sewing bags, dish towels, darning and mending, are made use of here.

In the Seventh grade, or second year of sewing, the stitches learned the first year are repeated, but in more complicated problems. Here, also, I have begun the use of the sewing machine, because of the fact that it takes considerable time for the child to learn to run the machine well. Problems involving short, straight, seams are planned so that the child may really make something at the same time that she is practising.

In the Eighth grade or third year of sewing, the making of garments for the girl, herself, is taken up. This involves hand stitches, machine stitching, the use of commercial patterns and some drafting of patterns.

The results this year have been most gratifying and the enthusiasm of the pupils is one of the most pleasing aspects of the work.

The High School Lunch

I should like very much to make a statement in regard to the School Lunch.

As everyone knows, the cost of cooking supplies has doubled and in many cases trebled that of preceding years. However, in order to encourage the students to buy those things which are most nourishing, I determined to keep the price of the hot dishes down to six cents and the cocoa four cents. The cost of materials for these far exceeds the price paid and were it not for the profit made on the confectionery, the Lunch Room could not possibly be maintained; as it stands, now, the Lunch Counter is just paying for itself and no more. To illustrate: The receipts for the past month were just two dollars more than the bills paid.

The expenses are greatly increased by the following things:

Several girls who assist in the serving are given free lunches.

In addition to these a young woman is hired to help with the preparation of food and care of the Lunch Room dishes during the time that the teacher must attend to her classes. Her recompense is eight dollars per week.

The recent rise in price of sugar has caused a still greater hardship. The price of milk and cocoa has increased considerably since last year. Still, the same quality and quantity of cocoa is being served as formerly.

I hope that this statement of the difficulties involved in running the Lunch Room makes clear to all interested the difficulty of the task.

May I suggest that the cooperation of all in the form of kindly criticism and advice would be well received and greatly appreciated.

Respectfully submitted,

LILLIS M. GUPPEY.

REPORT OF SUPERVISOR OF DRAWING

Mr. E. C. Vining,
Superintendent of Schools,
Billerica, Mass.

The preceding year has been a fruitful one for the pupils in the public schools of Billerica considering the various interruptions during the past winter and spring caused by epidemics.

Not only have they been taught to observe and think for themselves through the subject of drawing, which is a prominent factor in the educational system and which is fast becoming recognized as such by leading educators and psychologists but they also have been taught the elements of design as associated with landscapes, flowers, birds and animals which are of so much interest to the pupil.

Attention, we know, depends on interest and by introducing subjects which they are familiar with in their home life and play-time, one can easily understand how much more their pleasure is increased in school study.

A strong visual impression once left on the mind is almost impossible to erase. There is an old Chinese saying to the effect that, "If you hear about a thing, you may forget it; if you see it done, you will probably remember half of it; and if you do it yourself, you undoubtedly will remember all of it. "This is a self-evident truth and one which is applied through the study of drawing.

Color also has been introduced. Although a more difficult subject to grasp because of its complexity, the results shown when combined with designs for home decorations such as vases, wall paper, etc., have been very gratifying.

The teachers have given me their hearty cooperation and are ever ready to accept any new ideas that may be of advantage to class or individual pupil.

To those who are associated with me in this study I am deeply gratified.

Respectfully submitted,

GERTRUDE NASON.

REPORT OF MANUAL TRAINING INSTRUCTOR

Mr. Eugene C. Vining,
Superintendent of Schools,
Billerica, Mass.

Herewith I submit my report of the Manual Training Department.

The progress in this department for the past year has been satisfactory and I have hopes that we will make it more so in the year to come. As has been reported before the method that the beginners are started on is as follows; it is explained to them that if they can successfully plane to dimensions a piece of board the greatest step has been accomplished; as the construction of most objects is the putting together of boards planed to certain dimensions.

They are then instructed and shown how to do this after having the different tools involved, explained to them, and their uses. From this point on they must be treated more or less individually, for many boys can quickly master these rudiments, thro aptness, while others it takes long and tedious weeks.

As their ability allows they can suggest themselves, from a variety of objects, the thing that they would rather make. A certain amount of time is also taken up in the instructions of how to sharpen tools, reading and making of rough sketches, etc. A point is also made of having them work in groups on some piece of furniture so that they can appreciate the exactness and importance of any unit.

When they have reached the stage at which they can make pieces of furniture for their own use I am glad to have them do so; but a very small minimum of charge is made for the wood, because the same points might be gained in a much smaller or less complicated article.

Several pieces have been made for the school by the classes, such as: umbrella stand, window food-box, music stands, plant stands, pedestals, sewing and cutting board, etc.

Some of the objects made by boys for themselves are: pencil holders, match scratchers, tea and coffee stands, plant stands, foot stools, coat and hat racks, coat hangers, bread and pastry boards, corner brackets, clock shelves, book racks, book cases, towel rollers, medicine cabinets, pen and ink trays, serving trays, floor cabinets, pedestals, tabearettas, clothesline reels, tables, blotter holders, boxes of various kinds, piano benches, boot blacking boxes, etc.

I trust that the coming year will show greater improvement, and I thank all for their interest in this department.

Respectfully submitted,

ELMO D. MacCURDY.
Instructor of Manual Training.

REPORT OF SUPERVISOR OF PHYSICAL EDUCATION

Mr. Eugene C. Vining,
 Superintendent of Schools,
 Billerica, Mass.

The interest in physical education is a feature of the general conservation movement that has aroused the American people in recent years. Play is nature's method of developing the nervous and muscular mechanism that give control of the body. As children advance in age, they turn from the spontaneous frishings and gambolings of all young life, to games of co-operation involving intellectual and social elements. The mere joy of muscular exercise is forgotten in the effort to secure the object of the game. Imitation, emulation, rivalry, the most persuasize human motives are enlisted. But games have moral values quite equal in importance to their physical values. Co-operation, courtesy, self-control, a spirit of fairness are vital in well conducted games.

In all ages rhythmic exercises have appealed to the sons and daughters of men. They give smoothness, grace and harmony to the carriage and movements of the body. For girls, they are probably the best form of physical training.

The aims of physical education in the schools are, briefly stated, fourfold:

1. To improve the general health.
2. To improve the posture.
3. To cultivate a spirit of fairness as well as love of sport.
4. To improve the carriage and develop grace of bodily movements.

The means used to obtain these ends are:

1. Rormal gymnastics.
2. Games.
3. Rhythmic plays.

In the two lower grades, the work consists of games, plays, both rhythmic and story, also the Mother Goose rhymes, which have been set to music. In the third grade, formal gymnastics are introduced, the time being divided among gymnastics, rhythmical plays and exercises, and games. The fourth, fifth and sixth grades have formal gymnastics and rhythmical sets, they have just completed a set of exercises which were used by all the soldiers at the different camps throughout the United States, known as the "Walter Camp Setting Up Exercises." In the seventh and eighth grades the boys and girls have different periods for their physical training. The girls receiving military tactics, swedish work, simple folk dancing and games, while the boys are given military tactics, games and athletics.

Whenever the work is given indoors the windows are always opened. The pupils face toward the windows for their breathing exercises.

I wish to thank all who are associated with me in my work for the support they have given me.

Respectfully submitted,

G. MYRTLE ROONEY,
 Supervisor of Physical Education.

GRADUATION EXERCISES, HOWE HIGH SCHOOL

Town Hall, Thursday, June 26, 1919

PROGRAM

OVERTURE—Orpheus

Offenbach

Orchestra

PRAYER

Rev. Chester J. Armstrong

SECOND HONOR—"Launching Men Anew"

Doris Elizabeth Hubbard

SELECTION—From M'lle Modiste

Herbert

Orchestra

FIRST HONOR—"Camouflage"

Allan Ames Parker

CLASS GIFT

Presentation: James W. Delmege, '19

Acceptance: Frederick Fairbrother, '20

LA PIROUETTE

Hosmer

Orchestra

CONFERRING OF DIPLOMAS

Dr. M. A. Buck, Chairman of the School Board

CHIMES OF NORMANDY

Planquette

Orchestra

ADDRESS

Rev. George M. Ward, D. D., L. L. D.

ARABIAN NIGHTS

*David*Orchestra

Graduates of the Class of 1919, Howe High School, are occupied as follows:

Carrie Mable Bowman, at Lowell Commercial College.

Mary Frances Conheney, Stenographer, Boston.

James W. Delmege, Lowell Textile School.

Sumner G. Dole, Lowell Textile School.

Nellie Doris Farmer, Salem Normal School.

Alice Frances Frost, Teaching, Cumington, Mass.

Dorothy Ada Gross, Stenographer, Warren H. Manning.

Laura Pauline Holman, Bookkeeper, Mutual Fire Ins Co., Boston.
 Doris Elizabeth Hubbard, Simmons College.
 Maude Larratt, Simmons College.
 Francis Daniel Lyons, B. & M. Car Shops.
 Allan Ames Parker, Mass. Inst. Technology.
 Alice Lillian Rosenthal, Bookkeeper, Green Bros., Lowell.
 Ruth Knight Smith, Studying Music.
 Phila Emily Strout, post graduate course, Newton High School.
 Gladys Matilda Switzer, Miss Hard's Shorthand School.
 Alice Mildred Walker, Bookkeeper, Livingston Co.

**LIST OF STUDIES IN THE HIGH SCHOOL AND NUMBER OF
PUPILS TAKING EACH**

Subject	Boys	Girls	Total
English	50	83	133
French	21	38	59
Latin I, II, III	16	21	37
History			41
United States	8	13	21
Ancient	9	11	20
Commercial Geography	6	17	23
Algebra	8	9	17
Geometry: Plane	16	4	20
Solid	5	1	6
Trigonometry, Plane	5	1	6
Physics	7	1	8
Elementary Science	19	26	45
Community Civics	12	20	32
Commercial Arithmetic	12	25	37
Penmanship and Spelling	10	24	34
Bookkeeping	9	37	46
Stenography	1	23	24
Typewriting	23	54	77
Cooking	—	66	66
Sewing	—	75	75
Manual Training	3	—	3
Choral Music	51	90	141

CORPS OF TEACHERS, JANUARY, 1920.

Howe High School			Subjects
Name	Elected	Where Educated	
Elmo D. MacCurdy, Principal	1916	Tufts College B. S.	Science and Manual Training
Ruth O. Smith	1919	Boston University A. B.	English and History
Ola L. Nichols	1919	Boston University A. B.	Latin and Mathematics
Marion E. Freeman	1916	Colby College	French and English
Lillis M. Guppy	1919	Simmons College B. S.	Household Arts
Celia Gordon	1918	Bryant and Stratton	Commercial
M. Josephine McGinn	1919	Burdett College	Stenography and Typewriting
Elizabeth H. Stone	1912	Bates College	Senior Intermediate
Charlotte Paulsen	1917	Boston University A. B.	Senior Intermediate
Clara L. Pratt	1917	Gorham (Me.) Normal	Junior Intermediate
Mae A. Burger	1919	Lowell Normal	Junior Intermediate

CORPS OF TEACHERS JANUARY, 1920—(Continued)

Pollard School			Subjects
Name	Elected	Where Educated	
Thurza M. McElman	1912	Howe School	Grade VI.
Helen S. Fanuef	1917	Lowell Normal	Grade V.
Grace L. Knowles, Principal	1898	Howe School	Grade IV.
Sadie I. Burgess	1916	Montclair (N. J.) Normal	Grade III.
Louise G. Morse	1919	Worcester Normal	Grade II.
Dorothy L. White	1919	Wheelock Kindergarten	Grade I.
Esther F. Adams	1919	Lowell Normal	Assistant Grades I. and II.
Talbot School			Subjects
Name	Elected	Where Educated	
Beniah F. Harding, Principal	1898	Maine Central Institute	Grade VI.
Alice W. Higgins	1913	Lowell Normal	Grade V.
Mary M. Cassidy	1918	Lowell Normal	Grades IV. and V.
Kathleen M. O'Hearn	1915	Lowell Normal	Grade IV.
Myrtle G. Rooney	1919	Lowell Normal	Grade III.
Rita Collins Hayes	1920	Lowell Normal	Grade III.
Kathryne G. Dewire	1912	Lowell Normal	Grade II.
Mary E. Kearney	1918	Lowell Normal	Grade I.
Maud K. Burnham	1919	Fitchburg Normal	Grade I.
Supervisors			Subjects
Name	Elected	Where Educated	
Gertrude J. Nason	1909	Boston Normal Art	Drawing
Mary B. Raynes	1912	N. E. Conservatory	Music
Myrtle G. Rooney	1919	Lowell Normal	Physical Training
Lillis M. Guppy	1919	Simmons College, B. S.	Sewing
Elmo D. MacCurdy	1916	Tufts College, B. S.	Manual Training

REPORT OF THE BOARD OF SELECTMEN.

To the Citizens and Taxpayers of the Town of Billerica:

We submit herewith our annual report concerning the municipal matters that have come under our direct supervision and observation during the year ending December 31, 1919. It was an eventful year for many people in this Town and in some respects it was one of the most important in the history of Billerica. When we presented our last annual statement, many of our young citizens were absent from home in the service of the Allied Governments but nearly all have returned and are once more a part of our town.

Billerica showed during the past year that she could "do things" when the occasion required. Aside from sending more than eight per cent. of our total population into the service of the Allies, our people made an enviable record in our Liberty Bond and other campaigns and we have the distinction of winning the captured German cannon for having the greatest number of subscriptions in the last loan drive, in towns under 5000.

Under an article in the warrant at the last annual town meeting the matter of a memorial to our service men was considered and it was voted to take it up again at the next annual meeting. Therefore, we have inserted this article in the warrant once more for your consideration.

In our last annual report, we recommended that the heads of the various departments, call for appropriations large enough to run their departments throughout the year under ordinary circumstances. In most instances the suggestion was adopted but there were several overdrafts during the year just closed, as will be noted in the reports contained in this book.

* We reiterate our statement of one year ago to the effect that special town meetings called at a time when a large, or even fair, attendance of the taxpayers is well-nigh impossible, are more or less unsatisfactory, and measures are put through that in all probability would not be accepted at the annual meeting. We are happy to say that we were fortunate in being able to adjust matters during the past year without recourse to a special town meeting; and it was the first time in many years that a special session was not called. We repeat emphatically that these "special" meetings called to transact business that could be settled at the annual meeting, are an imposition on the taxpayers and should not be tolerated by the Board of Selectmen.

We submit for your consideration under two articles in the warrant, the proposition of the construction of a proposed new bridge over the Concord River, near the site of the present Red Bridge or Corner Bridge; so called, as a Federal Aid project, the Federal Government to stand one-half of the cost and the remainder to be assumed in thirds by the Commonwealth of Massachusetts, the County of Middlesex and the Town of Billerica.

The State Highway Commission informed us last summer that it would recommend a new bridge at this point and advised us to have the approval of the Town Finance Committee to the proposition. This we have done. Later the State authorities advised us to insert an article in the warrant for the annual town meeting for an appropriation, which we have done. The proposed new structure, according to an estimate by the State engineers, will cost \$54,000, and the Town's share of this amount would be \$9000. We have requested that the sum of \$10,000 be voted in order to cover a possible increase over the estimate of 1919.

The sum of \$2000 was appropriated at the last annual town meeting for repairs on the Turnpike Road at Nutting's Lake under the direction of the Selectmen. Through a misunderstanding, the Highway Surveyor did a part of this work, being under the impression that this fund was controlled by his department. We instructed him to complete the job he started—though unsatisfactory to us—and we authorized payment from the Turnpike appropriation.

The Highway appropriation voted at the last annual town meeting was expended early in the Fall, since which time the work of this department has been done under the direction of the Selectmen, authority having been given by the State Bureau of Statistics to exceed this appropriation for "emergency" work. The plan proved satisfactory and eliminated the necessity of calling a special town meeting to provide additional funds for the town highways. We have authorized emergency repairs on River Street, Chelmsford Road, Treble Cove Road, Pollard Street, Rogers Street, High Street and Boston Road, at points where these roads were in exceedingly bad condition.

The Highway Department has been in a truly deplorable condition the last half of the year due to the lack of harmony that has existed between the head of that department and the Board of Selectmen. We have done everything in our power to cooperate and to work with him for the benefit of the town, but this has been absolutely impossible.

During the past year we have had Union Hall shingled, this work being needed as the roof was in a leaky condition. The job was done with fire proof shingles and owing to the high cost of material and labor, the expense was considerable more than we anticipated. The coming year the interior of the Town Hall should be repaired and painted. We recommend that the same amount be voted for public buildings at last year.

We have installed thirteen new street lights during 1919. We feel that the street lighting system should be extended gradually each year in unlighted sections of the town. Because of this our estimate for 1920 is slightly in excess of last year.

The Lowell Street macadam job, started in 1918, was completed during the year now closed by the Town, State and County. In accordance with a vote of the Town at the last annual meeting, we petitioned the State and County for \$500 each to finish the work, the Town having voted a similar amount. The job was completed by the Highway Surveyor under the direction of the State engineers.

The Town Hall Sinking Fund retired at maturity all of the Town Hall Bonds and there is a small balance left in the Sinking Fund.

We invite your inspection of the other reports contained in this book.

Respectfully submitted,

THOMAS F. SHERIDAN,
THOMAS TALBOT CLARK,
LAURENCE J. GREENWOOD,

Board of Selectmen.

ESTIMATES OF APPROPRIATIONS FOR 1920 **BY THE BOARD OF SELECTMEN**

	1919	1920
Police Department	\$ 4,250.00	\$ 4,500.00
Incidentals	1,200.00	1,200.00
Maintenance of Halls	2,000.00	2,000.00
Treasurer's and Collector's Bond	220.00	220.00
Interest	10,000.00	10,000.00
Sinking Fund and Bond Interest, School House	1,750.00	1,750.00
High School Bond Interest	2,970.00	2,790.00
Town Notes	12,500.00	11,500.00
Water Department, Maintenance	12,000.00	14,000.00
Hydrants	4,125.00	4,125.00
Fire Department, including Fire Alarm Boxes	7,000.00	9,750.00
Schools, including Dog Tax	45,924.46	55,000.00
Medical Inspection of Schools	500.00	500.00
Board of Health Expenses	900.00	1,200.00
Town Farm	4,800.00	5,000.00
Outside Relief	3,000.00	4,000.00
Moth	3,399.04	3,500.00
Elm Beetle	300.00	300.00
Tree Warden	200.00	300.00
Cemeteries	3,000.00	3,000.00
Parks	550.00	800.00
Care of Snow and Sanding Sidewalks	1,000.00	1,000.00
Highway Repairs	12,000.00	23,000.00
Street Lighting	4,700.00	4,800.00
Memorial Day	125.00	200.00
Assessors' Special	250.00	150.00
Indexing Records	50.00	50.00
Printing	700.00	1,200.00
Reserve	2,000.00	2,000.00
Sinking Fund, Water Bond	1,800.00	1,800.00
Salaries:		
Selectmen	600.00	600.00
Collector of Taxes	700.00	
Assessors	900.00	900.00
Overseers of the Poor	400.00	400.00
School Committee	180.00	180.00
Town Clerk	300.00	300.00
Town Treasurer	500.00	500.00
Town Accountant	700.00	700.00
Election Officers	225.00	325.00
Registrars of Voters	200.00	200.00
Sealer of Weights and Measures	100.00	100.00

	1919	1920
Board of Health	150.00	150.00
Cattle Inspector	100.00	100.00
Forest Warden	100.00	100.00
Building Inspector	100.00	100.00
Vocational Schools	300.00	300.00
Highway Surveyor	2,000.00	2,000.00
Water Commissioners	300.00	300.00
Revaluation		850.00
Copying		150.00
Printing Assessors' Report		600.00

WARRANT

Annual Town Meeting

TOWN OF BILLERICA

COMMONWEALTH OF MASSACHUSETTS.

Middlesex, ss.

To any Constable in the Town of Billerica:

GREETING:

You are hereby authorized and required to notify and warn the inhabitants of said town of Billerica, qualified by law to vote in elections and Town affairs, to meet at the Town Hall, Billerica, at 6 o'clock a. m., Saturday, February 14, 1920, to bring in their votes on one ballot for the following officers:

Moderator, Town Clerk, Town Treasurer, Three Selectmen, Three Overseers of the Poor, a Collector of Taxes, a Highway Surveyor, a Tree Warden and two Constables, all for one year. One Assessor, one member of the Board of Health, one member of the Cemetery Commission, one member of the Talbot School Sinking Fund Commission, one member of the Water Commission, one member of the Park Commission and one member of the School Committee, all for three years.

Also, to vote on the following question, viz: "Shall license be granted for the sale of intoxicating liquors in the Town of Billerica?" Yes or No.

Polls may be closed at 4 o'clock p. m.

Also, at 10 o'clock a. m., to meet and act upon the following Articles:

ARTICLE 1. To choose one member of the Bowers Fund Committee for a term of five years.

ARTICLE 2. To choose all necessary Town Officers.

ARTICLE 3. To hear and act upon the report of Town Officers and Committees heretofore appointed.

ARTICLE 4. To raise and appropriate such sums of money as may be deemed necessary to defray the Town expenses for the ensuing year, or do anything in relation to the same.

ARTICLE 5. To authorize the Town Treasurer, with the approval of the Selectmen, to borrow during the municipal year beginning January 1st, 1920, in anticipation of the collection of taxes of said year, such sums of money as may be necessary for the current expenses of the Town, but not exceeding the total levy of said year, giving the notes of the Town therefor, payable within one year from the date thereof. All debts incurred under the authority of this vote shall be paid from the taxes of the present municipal year.

ARTICLE 6. To see if the Town will raise and appropriate the sum of three hundred dollars (\$300) to be expended under the direction of the Fire Engineers, to compensate Edward A. Barker, who has been permanently disabled in the fire service; or do anything in relation to the same.

ARTICLE 7. To see if the Town will amend its By-Laws by adding thereto:

ARTICLE VIII.

Building Regulations.

"There shall be a building inspector appointed by the Selectmen who shall have the right to enter all buildings or premises in the Town in the pursuance of his duty. He shall record all inspections and business, make the yearly report required to the Selectmen by law, and such other reports as they may call for. He shall frequently inspect all buildings in course of erection or alteration. He shall report violations of the law and the names for those responsible for such, to the Selectmen. Before the erection of a new building or the repairs or alteration of any building to cost in excess of \$100.00 is undertaken there shall be filed with the building inspector sketches, plans, or descriptions covering all detail of construction for his approval or disapproval. In case of disapproval the matter may be further presented to the Board of Selectmen for action.

"All parts of all buildings shall be not less than seven and one-half feet from the side lines of the property upon which placed. There shall be no dwellings in which provisions shall be made for more than one family living above another, or that shall be over two and one-half stories in height. All rooms and

every water closet shall be provided with outside windows that shall be made to open one-half their entire area. The glazed surface of the windows of such rooms measured between stop beads shall be at least one-sixth of the area of the floor of such room. Cesspools shall be placed and plumbing installed as directed by the inspector and in accordance with the rules of the Board of Health. Any person violating these By-Laws shall be punished by a fine of not less than \$25.00 or more than \$100.00, to be paid into the treasury of the Town of Billerica.

"These requirements and penalties shall apply to such other rules and regulations for building as shall be made from time to time by the Board of Selectmen.

ARTICLE 8. To see what sum of money, if any, the Town will raise and appropriate to repair the present signboards, or locate new boards where needed throughout the Town.

ARTICLE 9. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500) for a suitable base for the captured German cannon, now located at North Billerica; or do anything in relation to the same.

ARTICLE 10. To see if the Town will raise and appropriate the sum of fifteen hundred dollars (\$1500) to be expended under the direction of the Park Commissioners for the purpose of improving the Charles H. Kohlrausch, Jr. Playground; or act in relation thereto.

ARTICLE 11. To see if the Town will raise and appropriate the sum of seventy-five hundred dollars (\$7500) to purchase two light auto combination fire trucks, one for the Central Fire Station and the other for the North Billerica Fire Station; or act in relation to the same.

ARTICLE 12. To see what sum of money, if any, the Town will raise and appropriate to build a sidewalk on Pollard Street from the Fordway Bridge to the North Billerica Garage; or do anything in relation to the same.

ARTICLE 13. To see if the Town will authorize the Board of Selectmen to make a proposal to, or accept a proposal from, the Department of Public Works of the Commonwealth of Massachusetts with reference to the construction of a new bridge, as a Federal Aid project, over the Concord River, near the present site of the Red Bridge or Corner Bridge, so-called, the condition to be that the Town shall pay one-sixth of the cost of

the construction thereof, the remaining cost to be paid by the Federal Government, the Commonwealth of Massachusetts and the County of Middlesex; or do anything in relation to the same.

ARTICLE 14. To see of the Town will vote to raise and appropriate or borrow the sum of ten thousand dollars (\$10,000) or such other sum as may be required, to meet such part of the expense of the construction of a proposed new bridge, as a Federal Aid project, over the Concord River near the present site of the Red Bridge or Corner Bridge, so-called as the Town is ultimately to bear; or do anything in relation to the same.

ARTICLE 15. To see if the Town will accept and allow the laying out by the Selectmen as Town ways and establish the same in accordance with the boundaries and measurements of said ways as shown on a plan on file in the office of the Town Clerk, the following:

Letchworth Avenue from Carleton Street to Ilford Road;
Mason Avenue from Letchworth Avenue to Ilford Road;
Indian Road from Mason Avenue to Port Sunlight Road;
Brentham Road from Indian Road east to Indian Road west;
Ilford Road from Mason Avenue to Indian Road; and
Hampstead Avenue from Letchworth Road to Ilford Road.
Port Sunlight Road from Indian Road east to Indian Road west.

ARTICLE 16. To see if the Town will instruct the Water Commissioners to lay water mains from the Pumping Station to Fordway Bridge with 10 inch pipe, taking up the 6 inch main from Smith's Corner to the Fordway Bridge; or act in relation thereto.

ARTICLE 17. To see if the Town will authorize the expenditure of two thousand dollars (\$2000) for water main extensions in the section of the Town known as Billerica Garden Suburb; or do anything in relation to the same.

ARTICLE 18. To see of the Town will sell a strip of Town Farm land on the westerly side of the Boston and Maine Railroad, to the Consolidated Rendering Company; or act in relation to the same.

ARTICLE 19. To see if the Town will extend its street lighting service to Turnpike Road from the end of the present line on Concord Road; or act in relation thereto.

ARTICLE 20. To see if the Town will authorize the Water Commissioners to petition the General Court for an act to borrow twenty-five thousand dollars (\$25,000) for the purpose of extending the water mains; or do anything in relation to the same.

ARTICLE 21. To see if the Town will raise and appropriate the sum of one hundred dollars (\$100) to be paid Daniel Lyons for land taken from his property in widening Lowell Street in accordance with a decree of the Middlesex County Commissioners in 1918; or do anything in relation to the same.

ARTICLE 22. To see if the Town will authorize the Water Commissioners to pay the Consolidated Rendering Company the sum of seventeen hundred eighty dollars, ninety cents (\$1780.90), the same being the amount advanced by them on the extension to their works; or do anything in relation to the same.

ARTICLE 23. To see if the Town will borrow money and issue its bonds, notes or script therefor to an amount not exceeding ten thousand dollars (\$10,000) for the purposes and within the authority of Chapter 357 of the Acts of 1915 entitled "An Act to authorize the Town of Billerica to make an Additional Water Loan" and fix the terms of sale therefor; or do anything in relation to the same.

ARTICLE 24. To see if the Town will accept Richardson Street from Concord Road to Whiting Street as laid out and approved by the Board of Survey, a distance of about eight hundred feet; or do anything in relation to the same.

ARTICLE 25. To see if the Town will raise and appropriate the sum of one hundred ninety-five dollars, twenty-five cents (\$195.25) to pay Dennis J. Dewire for snow plough work from December 29, 1915 to February 6, 1917; or act in relation thereto.

ARTICLE 26. To see if the Town will accept Pine Street as a Town Way and establish the same in accordance with the boundaries and measurements of said Way as shown on a plan on file in the office of the Town Clerk; or act in relation thereto.

ARTICLE 27. To see if the Town will raise and appropriate the sum of twelve hundred dollars (\$1200) for the employment of a municipal nurse; or act in relation thereto.

ARTICLE 28. To see if the Town will accept the gift of one thousand dollars (\$1000) from the Public Health Nursing Association of the Billerica Red Cross to be used in conjunction with

an appropriation voted by the Town for the employment of a municipal nurse; or do anything in relation to the same.

ARTICLE 29. To see if the Town will petition the General Court for an Act to place the Chief of the Fire Department under Civil Service; or act in relation thereto.

ARTICLE 30. To see if the Town will extend its water mains on Boston Road from Carlisle Road to the residence of Stanley Kukulski, and on Pine Street to the residence of William McKay; or do anything in relation to the same.

ARTICLE 31. To see if the Town will raise and appropriate the sum of five hundred dollars (\$500) to remove the dead wood and trim the shade trees along the public streets, said money to be expended under the direction of the tree warden; or act in relation thereto.

ARTICLE 32. To see if the Town will petition the Lowell Gas Light Company for an extension of its mains to this Town; or do anything in relation to the same.

ARTICLE 33. To see if the Town will adopt the following regulations regarding tax titles, in accordance with Section 53 of Part II of Chapter 490 of the Acts of 1909 and acts amendatory thereto, said regulations to stand until rescinded by vote of the Town:—

SECTION 1. The collector of taxes, with the approval of the chairman of the Board of Selectmen, may for a sum not less than the sum necessary to be paid by any party entitled to redeem within two years from the date of the tax sale assign to any person paying such sum any tax title held by the town, provided, however, that the deed of assignment so given by the collector and approved by the chairman of the Board of Selectmen shall not contain any provisions inconsistent with the right of redemption.

SECTION 2. The collector of taxes, with the approval of the chairman of the Board of Selectmen, may for such sum as the collector of taxes deems reasonable, after two years from the date of the tax sale assign to any person paying such sum any tax title held by the town, provided, however, that the deed of assignment so given by the collector and approved by the chairman of the Board of Selectmen shall not contain any provisions inconsistent with the right of redemption.

ARTICLE 34. To see if the Town will designate a location for a public drinking fountain in memory of Lyman Haynes and Caroline Haynes in accordance with the terms of a legacy of one thousand dollars (\$1000) to the Town of Billerica under the will of the late Caroline Haynes Jenkins of Newton, Mass.; or do anything in relation to the same.

ARTICLE 35. To see what sum of money if any the Town will raise and appropriate to repair the sidewalk on Andover Road; or do anything in relation to the same.

ARTICLE 36. To see if the Town will authorize the Collector of Taxes with the approval of the Chairman of the Board of Selectmen to sell a parcel of land containing 42,000 square feet, more or less, and being lot 103 on a plan of land entitled "Berwick" and recorded in Middlesex North Registry of Deeds, Plan Book 12, Plan 10, the same having been acquired by the Town in 1906 by a sale for taxes; or do anything in relation to the same.

ARTICLE 37. To see if the Town will raise and appropriate the sum of Two Hundred Dollars (\$200) and elect a director for demonstration work in agriculture and home economics, the money to be expended by and the director to serve in co-operation with the County Agricultural Trustees of Middlesex County Bureau of Agriculture and Home Economics under the provisions of Chapter 273 of the General Acts of 1918.

ARTICLE 38. To see if the Town will raise and appropriate the sum of ten thousand dollars (\$10,000) to install a new pump at the Pumping Station; or do anything in relation to the same.

ARTICLE 39. To see what action the Town will take in regard to the unexpended balance of six hundred, sixty-one dollars and sixty-five cents (\$661.65) in the Town Hall Sinking Fund.

ARTICLE 40. To see if the Town will instruct the Water Commissioners to extend the water mains from the Corner of Pollard and Preston Streets to land of Clayton Philbrick on Dane Avenue, a distance of about 225 feet; or do anything in relation to the same.

ARTICLE 41. To see if the Town will direct the Highway Surveyor to straighten the travelled roadway on High Street at the Middlesex Canal and also north of the Railroad Bridge; or act in relation thereto.

ARTICLE 42. To see if the Town will do anything in relation to a memorial for the soldiers of the German War.

ARTICLE 43. To see if the Town will raise and appropriate the sum of sixty-three hundred ninety dollars and twenty-three cents (\$6390.23) to pay overdrafts as follows:

Brown's Corner, State Job	\$ 525.38
Highways, Emergency	4,095.59
Outside Relief	555.48
Town Farm	695.53
Schools	518.25

or do anything in relation to the same.

ARTICLE 44. To see if the Town will raise and appropriate the sum of two thousand, fifty-six dollars and twelve cents (\$2056.12) for unpaid bills of the highway department, or act in relation thereto.

ARTICLE 45. To see if the Town will instruct the Water Commissioners to furnish water to the Suburban Land Company, Inc., at Nuttings Pond at the same rate per thousand gallons as the Town charges to the Boston & Maine Railroad Company; or do anything in relation to the same.

ARTICLE 46. To see if the Town will appropriate a sum sufficient for installing and maintaining a sufficient number of street lights on Turnpike road, running from the car line to some point across the Pond, or act in relation thereto.

ARTICLE 47. To see if the Town will raise and appropriate Three Hundred Dollars (\$300), for the purpose of laying out Pond Lane a Town road running from Lexington road to Lake street, a distance of about 600 feet, or do anything in relation to the same.

ARTICLE 48. To see if the Town will raise and appropriate Three Hundred Dollars (\$300.00) for laying out and widening Manning road from the corner of Spring lane to a point known as Eliot street, a distance of about 600 feet, or do anything in relation thereto.

And you are to serve this Warrant by posting true and attested copies thereof, one copy at the Town Hall, one copy at Union Hall, one copy at each of the Post Offices of the Town, and one copy at ten public places, at least eight days before said meeting.

Hereof fail not, and make due return of this Warrant to the Town Clerk, with your doings thereon, at the time and place of said meeting.

Given under our hands this twelfth day of January, in the year of Our Lord, 1920.

THOMAS F. SHERIDAN

THOMAS TALBOT CLARK

LAURENCE J. GREENWOOD

Selectmen of the Town of Billerica.

A true copy. Attest:

HENRY D. LIVINGSTON, Constable.

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